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Continued on Page 2, Column 6.

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Week's Weather Outlook.
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The nominal income rates are 2 per cent on taxable incomes of \$4000, 5 per cent on incomes between \$4000 and \$8000, and 6 per cent on incomes above that until the surtax rates begin at \$100,000.

The changes in the lower income

Continued on Page 2, Column 3.

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A Dog That Died Saving Another Dog's Life — The story of a real collie whose death justified the hero cup that has been given him.

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RAYNOR DENIES ANY MISCONDUCT WITH MRS. HARRIS

Confessed Proprietor of
Memphis Gambling
House, in Deposition,
Says They Met in 1905.

RAYNOR'S SON ON WITNESS STAND

He Tells of Having Seen
Mrs. Harris in His
Father's Apartment at
Two Addresses.

By Leased Wire From the New York Bureau of the Post-Dispatch.
NEW YORK, March 1.—Elliott Raynor, confessed proprietor of a Memphis gambling house, testified in a deposition read into the record yesterday by George Gordon Battle, attorney for Mrs. Beverly D. Harris, that his relations had ever been proper with the woman who is defending a suit for annulment of marriage, which her husband, a former vice president of the National City Bank, has brought.

In his denial of misconduct, however, Raynor dealt a blow to Mrs. Harris' defense in that he stated positively he had not met Mrs. Harris until 1905, in Indianapolis, Miss., the home of her half-sister, Mrs. Roosa Lee Cordeur. Raynor, in the deposition, said his age was 42 last month, and that he was 12 years old when he met Mrs. Harris.

"Have you any objections to answering if you conducted a gambling game in the last 20 years?" "Yes, sir, the Southern Club, at Memphis."

Mrs. Harris, in depositions of her own relatives, had through her attorney, the day previous, read into the record the testimony of her cousin, who, up to 1918, had believed herself her sister.

Cousin's Testimony.
This alleged cousin, who had believed until Mrs. Cordeur enlightened her in 1908, that she was the sister of Mrs. Beverly D. Harris, known to her as Eleanor Elaine Lee, testified in a deposition that Mrs. Cordeur had told her during her visit in 1908 that she, Cordeur, was not the daughter of Saluda Ann Harris Lee, as she had supposed, but was the daughter of Miss Mollie Harris, an unmarried sister of the mother of Eleanor Elaine Lee, who is the present Mrs. Beverly D. Harris.

This cousin's testimony was that Mrs. Cordeur, who was then housing Eleanor Elaine Lee, remarked to her that Eli Raynor was said to be the father of Elaine, the present Mrs. Harris.

In his deposition, as read into the record, Raynor denied all relationship to Mrs. Harris.

The specific point at which he denies parentage occurred when he was asked if Mrs. Horan A. Harris, whom Harris says he knows as the aunt of his wife, was quoted as testifying that she supposed Raynor was Mrs. Harris' uncle.

"Did Mrs. Harris know that you were not related to the defendant?" Harris was asked.

"Yes," was his reply.

Mrs. Harris remained calm during the game of shuttlecock that was being played with her reputation. She wore the same black satin gown that she had worn the day before, and only the fresh red roses at her bosom betokened a new day in her trial.

Harris, her husband, his ordeal on the witness stand completed, abandoned his Prince Albert frock and his gray striped trousers, and appeared in a business suit of tan.

Raynor's Son on Stand.

A bit of the atmosphere of the South was transferred to the trial when Whitney Raynor, son of Eli Raynor, who has been close to the side of Mrs. Harris from the time the trial began, was put on the witness stand.

There have been rumors ever

Mrs. Harris Smiles During Testimony for Her Husband



Mrs. Eleanor Elaine Lee Harris is shown sitting in court with her attorney, George Gordon Battle, as he takes notes on the testimony of the witnesses called by the banker-husband, Beverly D. Harris in the latter's divorce action.

since the trial began that the Tennessee custom of shooting first and explaining afterwards had prevented attorneys for Harris from asking Eli Raynor if he was the father of Mrs. Beverly D. Harris, the latter's divorce action.

"Do you know Alf D. King, house detective of the Chisca Hotel in Memphis?" Caruthers Ewins, Memphis man and attorney for Harris, asked Whitney Raynor. "Do."

"Did you say to Alf D. King when Mrs. Harris arrived at the hotel two years ago, 'There goes the girl my old man used to keep. She is married to a New Yorker now?'"

"How could I have said anything like that?" the witness shouted. "You."

"Answer the question yes or no," Justice Wasservogel coldly advised. "No," Raynor shouted.

Whitney Raynor testified that he had first seen Mrs. Harris in his father's apartment on South Main street, Memphis, where, he said, Mrs. Harris (then Eleanor Elaine Lee), Roosa Lee and Samuella Lee had visited.

The next time he saw them, he testified, was in 1911 when, he said, Mrs. Harris and her sisters, Roosa and Samuella Lee, were visiting his father in the latter's apartment, 161 Madison avenue, Memphis, which was the annex of the Hotel Clarendon.

"What is the difference between Samuella and the defendant, Mrs. Harris?" Whitney Raynor was asked.

"Samuella is not as tall," he replied. "She has darker hair, is more stockily built and has a darker complexion."

Justice Wasservogel was desirous of continuing the session until 5:30, but upon Battle's plea that he had no other witnesses present other than Mrs. Harris who, he said, was in ill health and had a sore throat, granted an adjournment until Monday.

He warned both attorneys, however, that they would have only until 10 o'clock Monday night in an effort to complete the testimony, so as to enable the attorney to begin their summaries Tuesday.

Rate Bet Swindler Sentenced.
By the Associated Press.
NEW YORK, March 1.—Pleading guilty to charges of using the mails to defraud, Kent Marshall, said by postoffice inspectors to be an experienced confidence man, who operated fake horse racing exchanges in various parts of the country, was sentenced yesterday to a year in prison. Marshall, also known as T. C. Lane, was alleged to have received \$12,500 from Frank P. Reis, on representations that Marshall operated a racing club, with a branch exchange at Miami, Fla., and would place the money for Reis in accordance with inside information which Marshall said he had. Marshall was arrested at Los Angeles.

Two weeks were devoted to the House to consideration of the bill after it reached the floor. A longer debate is looked for in the Senate.

RODOLFO MELITELLO, 30, proprietor of a grocery at 4973 Beacon street, was arrested last night after a policeman observed a 17-year-old boy go into a rear room with the grocery and come out with a half pint of moonshine in a pocket. The boy denied obtaining the liquor from the grocer and the grocer denied handing it. A search of the grocery and the rear room failed to disclose any liquor. The boy was taken to the House of Detention.

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ADAMS INSURANCE CASE LAID OVER UNTIL MARCH 14

Man Claiming to Be the
One Declared Legally
Dead by a Jury Fails to
Appear in Court.

HEARING ON MOTION TO SET ASIDE VERDICT

Judge Rules He Has No
Power to Bring Him In,
but It Must Be Proved
He Is Alive.

John F. Adams, former bookkeeper at Century Boat Club, who was declared dead by a jury in a suit by his former wife, Mrs. Cora M. Preiss, 2824 Rutger street, to recover on his policy in the Mutual Life Insurance Co. of New York, although the company claims he is alive, did not appear yesterday in Circuit Judge Killoran's court at a hearing on a motion for a new trial.

Several witnesses, however, testified they saw the real Adams in the flesh last Sunday in a law firm's office in the First National Bank building, East St. Louis. They talked with him and could not be mistaken in their identification, they said. He asserted in their presence that he was Adams.

Want Adams in Court.
Former Circuit Judge Vital W. Garesche and Ernest A. Green, attorneys for Mrs. Preiss, insisted the hearing be postponed until the company produced Adams in court. "Our client is honest and does not want a cent of insurance money if he is not entitled to it," declared Garesche. "But we have a right to see this man and ascertain for ourselves who he is. There have been many cases of mistaken identity."

Judge Killoran announced it was not the court's business to force the defendant to have the claimant produced. "I am the one who has to be satisfied," he said. "If I conclude from the evidence offered, that the insured is still alive, the verdict of the jury will be set aside. If I am convinced he is dead, then it will not be disturbed."

He ordered that the hearing proceed and, after listening to testimony from both sides, he adjourned the case until March 14 to give the other side an opportunity to investigate if the claimant is an impostor. Mrs. Preiss' counsel, however, said they were not given notice of the hearing last Sunday for the reappearance of Adams, who was supposed to have committed suicide by drowning nine years ago.

Former Wife Disputes Lawyer.
Walter R. Mayne, attorney for the Mutual Life, asserted he had been informed Adams appeared to his former wife at her home last Sunday afternoon and she recognized him. "Nothing of the kind," exclaimed Mrs. Preiss, who was in court. Mayne explained he had no objection to any one seeing the claimant. "But we can't kidnap him," he added. "I understand that he feels he would be in jeopardy if he were seen."

The last remark had reference to a shortage of \$1800 in Adams' accounts at the Century Boat Club, disclosed about the time of his disappearance April 1, 1915. It was a different matter over such fear, as Campbell Cummings, attorney for the Century Boat Club, was on hand with detectives ready to arrest Adams, so far as could be learned last night.

One explanation of the sudden change in codes is found in the telegram from John Major to McLean dated Jan. 11, 1924, which the Senate committee made public on Thursday. This message shows that Duckstein, known as "The Duck," was under suspicion. Major telegraphed:

"After you telephoned this morning instructions to Lambert, the Duck at once telephoned his secretary, Mary Quigley, who listened in on the line, said: 'I have them where I want them. I will make them bow to me before I am through. I am turning over this stuff without receipt, but you know my intentions. Mary Quigley, whom I trust with any secrets you or I may have, informs me that Mrs. Duckstein said: 'Billy, you have the right idea at last.'"

"Have Them Where I Want Them."
Duckstein's alleged exclamation, "I have them where I want them," may, it is pointed out, have referred to the illegal use of the code—a conclusion further borne out by another chaff from Major to McLean: "My advice to you

is not to acquaint the latter party (the Duck) with our new code system. However, use your own judgment about that."

William J. Burns was appointed director of the Bureau of Investigation of the United States Department of Justice by Attorney-General Daugherty in 1921. He succeeded William J. Flynn, a former chief of the secret service.

Burns' appointment caused a protest from various quarters. Both former Attorney-General Wickersham and Samuel Gompers were among those active in opposing him. At the time of his appointment Burns was the directing head of the William J. Burns International private detective agency, with a principal office in the Woolworth Building. Burns, following his appointment as head of the Department of Justice, announced he had withdrawn from his private agency and turned the business over to his sons, Raymond and Sherman.

Shortly after Burns took office he appointed Gaston B. Means as a special agent of the Government. Means had previously been employed as a private detective in the Burns agency. Means was under investigation by the United States military intelligence for pro-German activities during the war. He also had been tried and acquitted on the charge of murder of Mrs. Maud King in Concord, N. C., in 1918. Means, according to Burns, was dismissed from the Government's payroll following repeated protests received by Burns. Means is now awaiting trial in Federal court here on charges of conspiracy in connection with liquor traffic. Burns shortly after becoming head of the Department of Justice announced he would solve the Wall Street bomb explosion. At various intervals during that period he announced on each occasion what he termed a "positive solution," although different in each case. Before entering private detective work he was a secret service operative.

After leaving this position he became identified with the prosecution in the San Francisco graft inquiry. Following this he became involved in running down the perpetrators of the Los Angeles Times dynamite explosion.

Burns' appointment by Daugherty was the result of a friendship formed while they were neighbors in Columbus, O. The director maintains a New York home at Scarborough.

SENATE GO TO 1
FOR DAUGHTERY
INVESTIGATION

Continued from Page One.

McLean went there nearly every winter.

Object of the Inquiry.
Walsh's aim in this line of questioning was to show that the private wire was installed in the winter of 1923-24 primarily in order to give McLean a secret means of communication with Washington during the oil inquiry.

Senator Lenroot asked him whether former Secretary Fall had sent a message from Palm Beach over the wire.

"Senator," said Major, "we handled from 7000 to 10,000 words a night. To the best of my recollection, no."

Lenroot then reminded the witness that he had come to him (Lenroot's) apartment with a message from Fall, saying that McLean was ill. (The question whether McLean should be called to testify was then under consideration and was giving the publisher great anxiety.)

"I told you," continued Lenroot, "that he would have to have a physician's certificate."

Recalls the Conversation.
Major recalled the conversation. Lenroot added that he believed Major had seen him at his apartment on some other occasion, but the witness said he had no such recollection. "Zev" (J. W. Zevy, the attorney for Sinclair), or former Attorney-General A. Mitchell Palmer had used the leased wire to Palm Beach.

Asked how he knew the message received from Palm Beach had been destroyed, Major said he was "at both ends of the wire."

"That got a laugh from the committee. It developed that he had spent a week at the Florida resort and learned then that the messages at that end were being destroyed."

Of the telegrapher at the Palm Beach cottage, he knew he was called "Johnny," only that he was called "Johnny."

Identification of "Homer."
The "Homer" mentioned in one of Major's messages as the man who had advised the installation of the leased wire, so that McLean might have "quick and easy access to the White House," was identified by the witness as Francis Homer, of Baltimore, a friend of the late John R. McLean and an adviser of his son, Edward B. McLean.

Major handed Senator Walsh a letter in which Homer said he had been misquoted. Homer explained in his letter that he didn't say anything about the White House, but was talking about communication with "Wiley," of the Cincinnati

JUSTICE CODE IN MESSAGE TO E. B. MCLEAN

Continued from Page One.

Information to McLean, the important links in the chain of tip-offs, including the Department of Justice; Col. J. W. Zevy, attorney for Harry F. Sinclair, and also confidential legal adviser to ex-Secretary Fall; Milton J. Lambert, assistant attorney general; and Col. J. W. Zevy, attorney for Harry F. Sinclair, a confidential employee of McLean in the offices of the Washington Post, and Miss Mary Quigley, chief telephone operator at the office of the Washington Post, in addition to Fraser, financial secretary to McLean.

Miss Quigley, already disclosed before the committee as an alert friend of her employer, is shown by the translations to be one of the most important of the group. It was she who telegraphed Duckstein in Palm Beach that Burns had sent for her and told her to inform McLean that investigation by Department of Justice agents was under way and that Burns believed "this information is important."

A Confidential Stenographer.
Another link, not appearing on the surface of the messages, but important, is the reported fact that Duckstein's wife is or was a confidential stenographer in the Bureau of Investigation.

Arrival in Washington of the exact translations of the code messages and their examinations by the Public Lands Committee were expected to have an important effect on the question of the continuance of Harry M. Daugherty in President Coolidge's Cabinet.

The intimate connection now shown to exist between the Attorney-General's department and McLean during the Teapot Dome inquiry will increase the growing demand for his resignation, and failing that, his forced retirement. The Burns message alone, it is thought, will prove a sufficient ground.

McLean a Secret Agent.
One defense likely to be offered by the department officials, it was reported last night, is that McLean has been for some time a secret agent, though for what purpose has never been disclosed. He wears an agent's badge under his coat, according to report, and has the regular credentials. But even this, it is pointed out, would not justify the use of a departmental private message, nor would it account for the code being in the hands of Duckstein and Miss Quigley.

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One authority of Federal law informed The World last night that disclosure of a code of this nature furnished grounds for a prosecution on a charge of conspiracy. All parties taking part in the disclosure of a confidential message are liable under the law. It probably would be involved in the same charge, it was said.

That the senders and receivers of the messages decoded yesterday by the committee were involved in the use of their code is indicated by the fact that they used it in only four messages thus far brought to light out of the 30 or so intercepted between McLean and McLean camps during the course of the investigation.

Code Dropped Jan. 11.
The alleged Department of Justice code was dropped after Jan. 11. A message signed "Chief" Jan. 12, 1924, was the last. Then follows a series of undated messages in which the terminology of the orchard replaces the heavy phraseology of the pre-war code and the messages are conveyed by references to "apples," "peaches," "apricots" and "cherries."

The fruit messages have not been decoded by anyone outside the Mitchell Palmer had used the leased wire to Palm Beach.

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Enquirer, one of McLean's papers. Major said he thought that he had quoted Homer correctly, but that Homer's letter had "put a doubt on his mind."

John J. Spurgeon, managing editor of the Washington Post, was the first of the employees of McLean called. He could throw little light on the matter, telling the committee he had nothing to do with the installation of the wire and had no information on the subject.

Effort to Obtain Messages.
Spurgeon said he did not know who had possession of the messages that went over the wire. He suggested that E. W. Smithers, White House telegrapher, who operated the wire, might know about the messages.

"Who is there in the Post who is over you all?" asked Walsh.

"Mr. Homer," Spurgeon replied. "Who signs the checks?"

"I am not paid by check."

Spurgeon said he was told by McLean "the day before yesterday" that he had left Palm Beach, about a week before Christmas, about the personal loan to Fall."

McLean instructed him not to "upset news of the loan," Spurgeon said.

McLean's Agent Called.
Spurgeon was then excused and John Major, McLean's confidential agent, was called to the stand to explain the secret messages that passed between him and McLean while the latter was at Palm Beach.

Major admitted making the arrangements for the installation of McLean's private telegraph wire between Palm Beach and the Washington Post.

Major hesitated in answering questions, which forced Walsh to say:

"Now, don't hang back. Tell us everything; don't make me question you about all the details."

All the messages over the leased wire were destroyed "as fast as they came in," Major said.

"Who destroyed them?"

"I did. We thought they were confidential and were the business of no one else."

Regarding it as His Duty.
"That's the way you discharge your duties as confidential man, is it?"

"Yes, that's it."

"Who operated the wire?"

"Mr. Smithers (E. W. Smithers, White House telegrapher)."

"What were his hours?"

"He was supposed to start at 6 o'clock and worked as late as 9 or 10, or 1 o'clock, or even later."

"Did he have other service?"

"I suppose he went home and went to bed after leaving."

"Wasn't he an operator at the White House?"

"Yes."

"Why didn't you say so?"

"I don't know what Smithers does at the White House except he's an operator. I was going to say he got up late and went to work."

Witness Irritated Walsh.
Major's manner of answering questions irritated Walsh, and the Senator leaned forward in his chair and shouted his questions at the witness.

Major said "Duckstein" (W. O. Duckstein, one of McLean's secretaries) suggested Smithers to operate the wire.

"What was the purpose in putting in the leased wire?"

"To keep McLean in touch with daily events of this country and the world."

"But you had been using commercial wires?"

"Yes."

"McLean had been going to Palm Beach every winter, hadn't he?"

"Yes."

"Was any leased wire installed before?"

"Yes."

First Leased Wire Installed.
In 1913 or 1914, there were negotiations carried on for a private wire from Palm Beach, which was never installed.

"How far back does his habit of going to Palm Beach extend?"

"About 10 years."

"What was there current this winter that required a private wire?"

Major explained that the cost of sending commercial messages to McLean "advising him about what went into his paper was more than the leased wire."

"That could have happened last year?"

"Yes."

"It just so happened—then that the wire was installed without any reason?"

"Yes."

Negotiations for Wire.
Major said the "negotiations for the wire were opened before McLean went to Palm Beach."

Reversing his previous testimony Major said: "McLean might have skipped going to Palm Beach a couple of winters during the war."

"But in wartime he didn't find it necessary to install a wire?"

"No."

Did Fall (ex-Secretary of the

2 CONGRESSMEN ACCUSED OF GRAFT IN REPORT ON VETERANS' BUREAU

Continued from Page One.

Grand Jury That Indicted
Forbes and John W.
Thompson Calls Attention
to Irregularities.

SPECULATION BY FEDERAL OFFICIALS

Former Director and St.
Louis Contractor Are
Named in True Bills
Charging Bribery.

By the Associated Press.
CHICAGO, March 1.—A further investigation into transaction reported by the Federal grand jury, which returned indictments against Charles R. Forbes, former director of the United States Veterans' Bureau, and which are said to involve graft on the part of Government officers, was indicated today by assurance from John W. Crim, special assistant to the Attorney-General, that the matters would be laid before Attorney-General Daugherty and President Coolidge.

The grand jurors, in their special report yesterday, declared that the transactions uncovered by them, but not pursued for want of jurisdiction, include payment "of certain sums of money to two members of Congress, speculation by one or more Government officials, and other irregularities."

The grand jury yesterday returned four indictments against Forbes and Thompson. Two name the defendants jointly, charging conspiracy to defraud the Government. One indictment, naming Thompson individually, charges him with indirectly giving a bribe of \$100 to Forbes, and the separate indictment against Forbes charges him with accepting this alleged bribe. Thompson is a contractor of Chicago and St. Louis.

Forbes, who was indicted last night by Federal officials and was released on \$10,000 bond. Elwood Godman, attorney for Thompson, indicated that Col. Forbes will come to Chicago soon to answer the charges.

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THE POST-DISPATCH PLATFORM.
 I know that my retirement will make no difference in its editorial principles, that it will always fight for progress and reform, never tolerate injustice or corruption, always fight for the rights of the people, never belong to any party, always oppose privileged classes and public plunderers, never lack sympathy with the poor, always remain devoted to the public welfare, never be satisfied with merely printing news, always be drastically independent; never be afraid to attack wrong, whether by predatory plutocracy or predatory poverty.
 JOSEPH PULTZER.
 April 10, 1907.

LETTERS FROM THE PEOPLE

The name and address of the author must accompany every contribution, but on request will not be published. Letters not exceeding 200 words will receive preference.

A Gangster's Defense.

SINCE the Post-Dispatch is raising so much fuss about gangster killings I would like to know if the police have any more right to kill in cold blood than anyone else?

I was just reading where some shine who was knocked down by a bull the other morning died in the hospital.

Although this fellow was running to catch a car to get to work this cop he knocked him down when this fellow tried to take his hat from him, that was, with the other bull standing by.

Can any intelligent guy swallow such bunk as that? Can you tell me what need the black had to resist if he was going to work?

Of course this bull will get away with this cold-blooded murder, but some day he will get his and then the holler-than-thou Post-Dispatch will begin at the gangsters again.

Some of the dirtiest men in town are on the force today.

Then this Linenah: no one killed Eddie but the bulls themselves, they might fool you but they can't fool me.

Hogland asked why should the cops kill him when he was wanted up in Illinois.

I can guess one little reason. There never was a mail robbery charge as serious as first-degree murder.

Those guys figured out Linenah bumped Anderson, but they knew they couldn't get any witness so they took him out and killed him.

Aint it funny that a bunch of mugs found him? Did they ever find anyone else?

Say, if you could get those bullets out of Eddie and compare them with stuff the cops use you would find some very close resemblance between them.

Do the police say anything more about the bull's slayers? I haven't heard.

I used to think the Post-Dispatch was the real thing, but I see now I was away from home.

So the next time a bull gets killed remember that maybe he got what was coming to him. A NEAR GANGSTER.

Cost of Building Construction.

ACCORDING to an investigation made by the United States Department of Commerce, presided over by Mr. Herbert Hoover, labor in the building industry only receives 26 per cent of the total cost of the average building. This will be startling news to those who have been misled by open shop advocates into believing that the cause of the high cost of houses has been due to big wages paid labor.

This investigation developed the further fact that overhead charges, including profits of contractor, fees of architect, fees of the realtor, etc., consume 25.7 per cent, or within 3-10 of 1 per cent of the total labor cost. Materials consume 25.3 per cent and the builder of a home is requested to plant down 19 per cent of the total cost to the landowners for the lot before he can stick a pick in the ground. These figures are based on a \$5,000 house.

WM. E. BOLLES.

The Free Concerts for Children.

WE, the pupils of Banneker School, have been looking forward to the Saturday when we were to be your guests at the Missouri Theater. We find that on Saturday, March 1, we are to enjoy the same concert that our little friends on previous Saturdays have enjoyed. We are bubbling over with excitement. Our love for good music makes it almost necessary for us to hurry this week along, as Saturday seems so far.

We want you to know just how much we appreciate your invitation. We are going to show you by being on time and giving our best attention.

Thanking you for last year's program and the one that is to be, we are, sincerely yours, BANNEKER SCHOOL.
 (Written by a pupil.)

Too Tired to Vote!

YOUR editorial of Feb. 25, "What's the Use?" doesn't seem to hit the right spot. I am working for a firm that employs over 1000 men and if every one of them feel as tired as I do when the day's work is done they go home and stay there. If an election means so much for all concerned, I ask, why do not all firms give all their employees only one hour to cast their vote? If a big firm does not care if their employees vote, why should the men care?

FROM A VOTER WHO DID NOT HAVE TIME TO VOTE.

TAX REDUCTION.

The members of the House of Representatives got together on tax reduction with a unanimity unparalleled except in war times. By a vote of 408 to 8 the House adopted the compromise tax bill presented by Representative Longworth, as a substitute for both the Mellon and the Garner bills. It is a good compromise. It reduces the entire scale of income taxation. Normal rates on incomes of \$4000 and under are cut from 4 to 2 per cent, and from 8 to 5 per cent on incomes above that. Surtaxes are reduced 25 per cent, ranging from 1½ per cent on net incomes in excess of \$10,000 to \$12,000, and ending with 37½ per cent on incomes in excess of \$200,000.

The unanimity of all parties in the House on the compromise bill foreshadows the success of the bill in the Senate, where the party elements have approximately the same proportion of strength.

In addition to the adoption of this substantial reduction of taxation, the House adopted a measure providing for a flat reduction of 25 per cent on all personal income taxes payable this year. The benefits of tax reduction will be enjoyed by the taxpayers this year. In this issue, which means so much to the people, who, whether they pay taxes directly or not, bear the burdens of taxation, public opinion has accomplished its purpose.

Assuming that the Senate shall adopt the measure for an immediate tax reduction, Congress has set an excellent example for states and municipalities. The burdens of taxation have been inordinately increased by Legislatures of the states and by municipal aldermanic boards. State and local taxes are heavy burdens on the people.

Various excuses are offered for the increase of revenues and taxation, such as increases in salaries on account of increases in the cost of living; increases in all sorts of materials used by state and city governments. But allowing for all these legitimate reasons, there is in state and city governments, as in the Federal Government, an enormous amount of waste and extravagance. There are excessive numbers of employees on the payroll, and inefficiency and incompetence on the part of employees, which mean waste. In our own Missouri State government and in our municipal government within the State, thousands of dollars could be saved by more efficient organization and by economies which would not interfere with legitimate public business.

In St. Louis the Municipal Research Bureau has directed public attention to unnecessary expenses in various departments on account of an excess of employees or wasteful methods in the expenditure of public money.

The people want relief from excessive burdens of taxation. They want the governments to practice the same economical and efficient methods that are practiced by private business. They intend to put a stop to the plundering of public resources and public revenues by officials. They demand reductions of taxation by state and municipal legislatures as well as by Congress.

LIBERAL VOTES FOR LABOR MAN.

An interesting experiment was made Thursday in the Burnley constituency in England at the election of a member of Parliament to succeed a deceased Labor member. In the election of November, 1922, the vote was:

Irving, Labor, 17,385.
 Camps, Conservative, 14,371.
 Layton, Liberal, 12,339.

Arthur Henderson, Home Secretary in the Labor Cabinet, beaten in his own constituency in the last election and badly needing a seat in Parliament, "stood" as the Labor candidate. Camps, the Conservative, again made the race. The Liberals, for political reasons, put no candidate in the field, thus leaving their 12,000 votes to be divided between the Labor and Conservative candidates. The vote was:

Henderson, Labor, 24,571.
 Camps, Conservative, 17,534.

Henderson was not known personally in the district, which is an industrial one, and he faced the electors half-disavowed by his party leader, Premier MacDonald, but he received nearly three-quarters of the 10,000 additional votes which fell to the Labor and Conservatives. The Labor vote was 7200 greater than in 1922, while the Conservative vote increased only 3500.

Macdonald said in a political speech recently that the Labor party was the logical heir to the following of the Liberal party, which he described as moribund. Burnley would tend to bear him out, but he cannot assume that he could make a similar showing in an agricultural district.

In addition to embezzlement, larceny and false pretense Gov. McCray of Indiana is now charged with using the mails to defraud. But since he is still sticking to his job the Governor may fairly be included among those valiant chaps who refuse to resign under fire.

HOW TO WIN THE AMENDMENTS.

The voters of Missouri are too indifferent to improvements in the Constitution either to study proposed amendments or to come out to vote even if they have studied them—unless it's a matter of bonus. There is magic in that word which has been lost to such old-fashioned terms as "democracy," "self-government," "liberty," "equality," "justice." Bonus is the one proposal that will bring lazy voters to the polls. Beneficiaries and their relatives will vote for it at sight. There is no microscopic, prod-nosed search for jokers. If it's a bonus the benefited will be a thoroughly good sport and take a chance.

Who knows but what the entire 21 amendments might have been adopted if they had been designated on the ballot somewhat as follows: No. 1—Bonus for law-abiding citizens. No. 2—Bonus for persons favoring sound legislation. No. 3—Bonus for unrepresented voters, for firemen, policemen, injured workers. No. 4—Bonus for the sick. No. 5—Bonus for the taxpayers. No. 6—Bonus for the citizens. No. 7—Bonus for deserving court litigants. No. 8—(For city ballots) bonus for cities; (for rural ballots) bonus for counties. No. 9—Bonus for city taxpayers. No. 10—Bonus for unjustly taxed. No. 11—Bonus for school children, etc.

Every voter would participate in some one or more of the proposed bonuses, and, though some would vote against the other fellow's bonus, we should have an avalanche of voters at the polls, a condition from which even the election clerks might derive a bonus.

A PARTY UNDER SUSPICION.

Senator Lenroot and Senator Smoot resent the intimation that they have not prosecuted the oil scandal with the utmost vigor and diligence. It is a matter of record, however, that the Investigating Committee as a whole has been criticised. It was remarked, in a tribute to Senator Walsh, to whom credit for the expose is unanimously awarded, that the difficulties of his task were aggravated by the lethargy and unsympathetic attitude of some of his fellow-committeemen.

But if Mr. Lenroot and Mr. Smoot have been unfairly judged they should summon their philosophy and look at the situation in perspective. If they do they will realize there is nothing personal in the distrust that may be felt. These are suspicious as well as perilous days. For example, there is the bold presumption of Senator Wheeler in insisting that the Senate, not the presiding officer, shall name the committee to investigate Attorney-General Daugherty. This proposal has brought tears to the eyes of that eldest of all the elder statesmen, Senator Lodge, who has undertaken to instruct the unsophisticated Wheeler in senatorial manners and tradition. But Wheeler refuses to be instructed. He emphatically refuses to be squelched. He firmly insists that the Senate shall name this committee. He fears, and frankly says so, that if the presiding officer, Senator Cummins, selected the committee, as tradition decrees he should, the committee would be made up of the Attorney-General's friends.

Does that imply that Mr. Wheeler questions the integrity of Senator Cummins? Not necessarily. It is not the distrust of individual Senators or other officials that agitates the atmosphere of Washington today. Rather, it is the distrust of the political organization known as the Republican party. Smoot, Lenroot, Cummins and the others suffer from their affiliation with the regular Republican organization, under whose indolent administration sacred trusts have been wantonly betrayed, settled policies overturned and public property of immense value secretly and guiltily bartered away.

An organization is something other than the sum of the qualities of its individual members, as readers of "The Psychology of the Crowd" are aware. An organization takes on attributes and interests by reason of its magnitude and power which derive from its individual members en masse and it commands that kind of loyalty expressed in "The King can do no wrong."

Well, the King in this instance has been doing wrong. The consequence is that his chamberlains and courtiers and whole glittering retinue are under suspicion as such. So, where the deportment of a member of the royal household requires investigation there is a demand at Washington that the investigation be conducted by men who owe no special allegiance to the reigning house—by men who, for one reason or another, rank the public interest over that of party interest.

The country as a whole joins in that demand.

THE TIPPER'S IRRESOLUTION.

It is a maddening revelation—the news that the tips you may have given the pretty checkroom girl—for charity, of course—have been turned over to a hard-headed masculine concessionaire in another city who pays for the privilege of profiting from the simple-mindedness of the public, including yourself. Such was the fact of the system brought out in a suit involving one St. Louis hotel, and legend says it is not the only one.

The knowledge that tipping is a sadly abused charity may lighten returns for a few days. But the memory of man is short. He never did believe in gratuities of this order but lacked the courage of his convictions. While his indignation is fresh he will refrain from tipping. Soon, however, he will be dogged by a feeling that he is a short sport. He will sense the contempt of the unperturbed and untipped attendant and will suspect the thought in her mind that, after all, he is not as affluent as he looks. Next time he will reflect that, really, he needs the service of the girl to protect his property, and, anyhow, 10 cents is an awfully small amount to pay for good feeling. Next time he will fail.

Again, the prediction of the fabled but faithful optimist, the concessionaire, is fulfilled. "Poof!" he will say; "I knowed it would blow over."

Great fortunes are made in oil, of course, but Mr. McAdoe has demonstrated that a well-ordered law practice can be something of a bonanza, too.

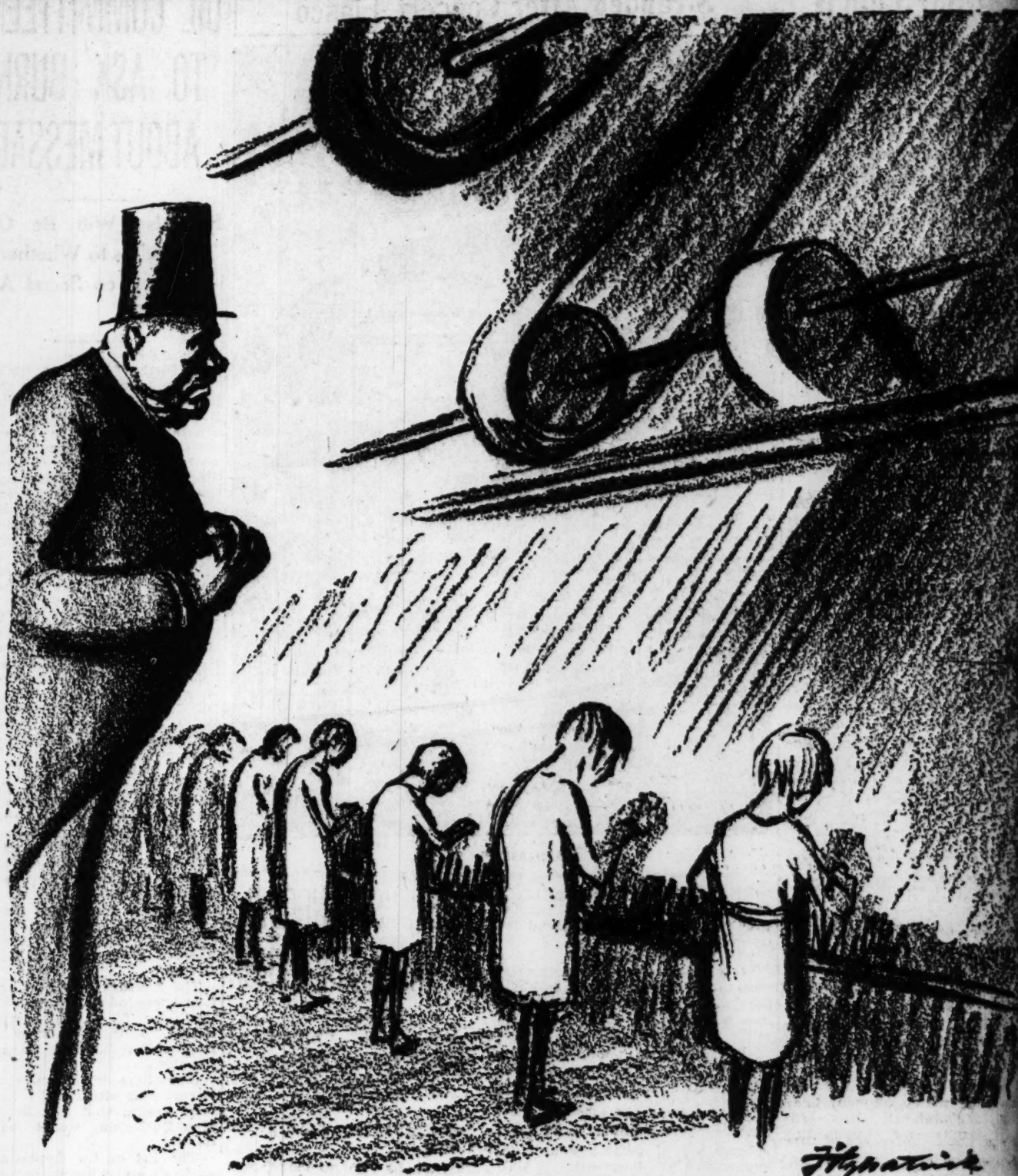
POSTAL WORKERS' WAGES.

There are two bills before Congress providing for new schedules of wages for postal employees. The Paige bill, embodying recommendations made by the United National Association of Postoffice Clerks, has now been amplified to include in its provisions all postal employees. It provides an entrance salary for clerks and carriers at \$1600 with annual increases of \$200 until the maximum of \$2400 is reached. Also for special clerks at \$2500 to \$2600. Promotion is automatic, and overtime is to be computed on a basis of hourly pay.

This bill is sponsored by the St. Louis Postoffice Clerks' Association, who claim that it is both fair and scientific. The other bill is known as the Kelly bill, supported by the carriers' association and the Federation of Postoffice Clerks, reclassifies the postal workers into three grades at \$2000, \$2200 and \$2400. Railway mail clerks would enter the service at a salary of \$1700, while laborers would enter the service at an initial salary of \$1300, which appears to be inconsistent.

It is the view of the St. Louis postal workers that Congress is likely to be confused by the advocacy of two dissimilar bills, which may cause the defeat of all legislation for better salaries. As the postal workers claim that their present compensation is insufficient to enable them to live comfortably or to induce competent workers to enter the service, it will be well for them to agree on a bill which will satisfy all concerned. Public opinion has been in favor of adequate compensation for postal employees, but they themselves must compromise their differences, if any progress is to be made.

To combat influenza British physicians are prescribing rest and liberal doses of whisky, either hot with lemon and nutmeg or straight with water on the side. The American treatment is rest and whisky, without the rest.



OF SUCH IS THE KINGDOM OF GREED.

JUST A MINUTE

(Copyright, 1924.)

Written for the Post-Dispatch
By CLARK McADAMS

PYTHAEAS.

THIS stone denotes the spot where lies Pythaeas, worthy man and wise. He owned innumerable lots. Of gold, silver and copper pots. Having indeed collected more Than anybody did before.

And had he lived in this our time, His rest had not been so sublime. He owned innumerable lots. Of gold, silver and copper pots. And no doubt had been rendered ill By worry for the Mellon bill.

The first democracy of which we have any record was that of the Greeks. When Pericles described for us this democracy in his funeral oration for the heroes of the Samian War, he complained of the very sparsity of which we complain now in the constitutional election. The Greeks would not then avail themselves of the opportunities offered them by democracy to further their common interest, any more than the people of Missouri will do it now. So in 2500 years we have not improved in this respect, and if we knew history quite well we would be surprised how very little we have improved in any respect. Democracy is not a success. It is only a choice of evils. A wise autocrat can do for us what we cannot do for ourselves, but we can trust with power only ourselves. Had the election on last Tuesday proposed some emotional cause, like prohibition or 100 per cent Americanism, we would have all been on our toes and voting for them. Yet there are people who cannot believe that men descended from monkeys!

In a debate at Washington U. this week a very amusing and significant thing occurred. The subject was the proposed canal from the Great Lakes to the St. Lawrence. The negative side had said that the international commission reporting upon the project had not been entirely thorough, so that we can do little better than guess what the project would cost. The affirmative combated this, and one of its debaters said: "The report was made by Government officials. Government officials do not waste their time."

At this there was a shout of laughter from the audience of students, and it was some little time before the debate could continue. Maybe there has been too much 'teapot-ttering' around in the Government service.

"If it were possible that my whole heart be opened so that it would be possible that the whole world could read my thoughts," exclaimed Senator Smoot.

Is this mixed metaphor, "oratorical license," or anatomical inaccuracy? Or the effect of a rush of oil to the head? PUZZLED.

Victor Miller is thinking of running for Governor? As how many per cent what?

Senator Reed is easily our leading local cause bellicose, anyway.

Mr. McAdoe seems to have got rid of the wolf only to invite the hyena.

Nobody Wins. "Marriage is a great game, isn't it?" "Yes; but it always results in a tie!" The Yale Record.

Automobile ethics in Illinois cannot amount to much. It is supposed in Missouri that a pedestrian who recovers after being bumped off the road is immune. That is, if one got him the other motorists respect that. He has been, as they say, got. It is not so in Illinois, if we may believe the Irvington correspondent of the Centra-Sentinel. The other day Enoch Boyet was standing in front of a store in which he clerks when two young women from Centra came along in a Ford coupe. They turned off the road as they approached him and promptly knocked him into the hospital. The Sentinel says:

This is the fourth time Enoch has been bumped with cars being knocked down three out of four, and is very fortunate to come out as well as he has. At present he is doing fairly well and will soon be able to be back on his job at Walter Beckemeyer's store and no doubt will watch out for the reckless drivers in the future.

Wouldn't he really better come over to Missouri, where this sort of thing doesn't happen?

One of our readers thinks an architectural term like pendentives ought to do better in our paper than it usually does and better than it did the other day in the story of the Brangwyn paintings. We think so, too; but like everybody else around a newspaper office, words have to serve a certain apprenticeship.

The anti-tobacco propaganda is coming in. An example:

TOBACCO: A nauseating plant that is consumed by but two creatures; a large green worm and—man. The worm doesn't know any better.

It will likely occur to you that the same thing can be said of cabbage and even tomatoes, but it was by resorting to reason that we lost our fight with the dry. Try to think of something as absurd as the indictment is.

An Atlanta grocer told more than he meant to in his Christmas advertisement:

Apples, Oranges, Imported Nuts, Fruit Cake, Shop Now and Avoid the Rush. Remember, the Early Bird Gets the Worm!

We are afraid Mr. McAdoe's nomination is no longer feasible.

CHILD LABOR.

A LITTLE Boy with sunken tired eyes. With constant toll your little body worn. Your pinched pale face smeared with defiant tears. Your childhood gone!

What is there in the coming years for you Whom greed for gain is driving to despair? Who is to blame if sin and crime and shame Are to be your share?

Oh, blind, short-sighted beings who deprive These children of their birthright—Care and Joy—If you've ever had the love Of a Little Boy!

R. G. E. S.

The MIRROR OF PUBLIC OPINION

This column is designed to reproduce without bias the latest comment by leading publicists, newspapers and specialists on the questions of the day.

HOW REED MIGHT WIN.

IT is unfortunate that Missouri Democrats seem to have the choice of indifference either Mr. McAdoe or Senator Reed. President. Should the choice be made to these, Senator Reed is likely to be successful, and that would be a disaster to the party in Missouri. The malign with which Mr. Reed fought the age Democratic leader of the age makes presidential candidacy impossible. No fight against Mr. Wilson, but the map of it bars him from general party competition.

But so far as Missouri is concerned, Mr. McAdoe his rival, Senator Reed, eminent native talent and the logic of situation contending for him. The fact that is published of Mr. McAdoe's titles since he left the Cabinet the thoroughly his disqualification as a candidate is established and more obvious basis—as Senator Reed said—that his influence and not his talent was what commanded the gifts, contingent and actual, that Democrats were willing to pay him. This, undesirable not infrequently are careful, and Senator Reed may win, or, as before, with Republican Real Democrats in Missouri should select to oppose Mr. Reed. A candidate is not so perilously on the defensive they should send an unimpaired delegation to the New York convention.

RELATIVE VALUE OF NEWS.

FROM THE NATION.

HIGH school students of New York noted the death of Lenin the "news" of the week ended Jan. 27. Ranked the accession of Labor to power England second in importance, and the pot Dome scandal third. The record in the columns of the New York Times almost as much as the events themselves. Labor Governments may have become commonplace; Lenin may appear as a political incident in a century-long struggle; Done may be forgotten. The historians want to know what boys and girls are to maturity were thinking. It is a hopeful sign that students in their should look thus broadly across the world. Would a poll in Chicago of interest—how much did New York's metropolitan makeup affect the vote? World's first prize, we note, went to Plafowsky, who says that The Nation's favorite reading. His essay asserted the importance of the Labor Government in England, whereas Lawrence Fleming's Anglo-Saxon name as could be imagined was the prize winner who wrote the death of Lenin. Would a poll of show as striking a result?

True Woodruff by David Lawrence

He Believed Constitution Senators on Peace

Herewith is the sixth installment of a life of the late President Woodrow Wilson, written by David Lawrence, a Washington correspondent, during his student days at Princeton, who, during his student days at Princeton, was very close to the important phases of Mr. Wilson's career. He tells the story of the great President frankly and fairly, pointing out his weaknesses as well as his greatness. This history, which will appear in the Post-Dispatch from day until it is concluded, will rank as a contribution to the varied Wilson biographies certain to follow his death.

CHAPTER VI.

How Mr. Wilson's ideas of personal responsibility in party leadership led him to believe that he should be nominated for a third term. NOTHING perhaps illustrates more for the psychological effect of the parliament on the mind of Woodrow Wilson than his termination to attend the Paris Peace Conference as the head of the United States delegation. It was a sudden decision arrived at in the time between the signing of the armistice and he set sail. Mr. Wilson had seriously considered going to Europe even in the months when the States was neutral if by personal and mediation he could bring about world peace. Mr. Wilson did go to Paris to represent the States in a conference of belligerents, on this side of the Atlantic failed to grasp the significance of his relationship to the other side.

It was not a conference of sovereigns—or Emperors were present. It was a conference of the heads of parliamentary governments—Prime Ministers and Premiers. It ranked all were on an equal footing except one, who was not only Prime Minister, head of the state he represented. By virtue of dual role, he was entitled to the consideration of both offices.

To have stayed in America and sent a delegation of his Cabinet as head of the delegation was permitted the Prime Minister of Great Britain. The Premiers of other countries to outrank the chairman of the American delegation. The support with Mr. Wilson's idea of the United States as an equal nor was it of the influential part America had in articulating the aims of the war. The Foreign Affairs in the British Cabinet, French Cabinet, Stephen Pichon, were their respective delegations but they did not. Prime Minister Lloyd George, the British Government, and Georges Clemenceau, French Premier, as well as Signor Orlando, Italian Premier, together with the President of the United States made up the famous "big five" conducted the Peace Conference.

It was the first time in the history of the republic that the executive of the presidential system and the head of the parliamentary system came face to face. Mr. Wilson found himself explaining the differences between the British Prime Minister and the other were able to commit their Governments to a line of action. President Wilson told leagues he could not do so. He needed the ratification of two-thirds of the United States Congress to approve his negotiations. The other were sure of their parliaments—if they been they could not have remained at conference. A crisis back home would have forced a resignation or a general election. Mr. Wilson had lost a majority of both Congress, but hoped to win non-partisan for the treaty because never in American history had a treaty of peace been rejected by the United States Senate.

Why There Were No Senators on Peace Delegation

In this same connection it is pertinent to close what were Woodrow Wilson's reasons for appointing to the American peace delegation any members of the United States Senate. The argument being made that since the Senate, the latter body should have been on the mission which negotiates the peace. But gave, nevertheless, careful attention to it before he announced the peace delegation from the Department of State. It was rendered in consonance with a belief by Mr. Wilson that President McKim had made when he appointed two members, a Democrat, and a Republican, to the delegation which concluded a treaty of peace after the war of 1898. The action of the time, some of the best constitutional of the day contending that it was improper to have a member of the legislative branch of government to hold any office with compensation in the executive branch of

True Life Story of Woodrow Wilson

by David Lawrence

He Believed Constitution Prohibited Him From Putting Senators on Peace Delegation—His Hope for Another Nomination

It is the sixth installment of a history of the life of the late President Woodrow Wilson. The author, David Lawrence, a Washington correspondent, who during his student days at Princeton was a student under Mr. Wilson, was very close to him during his eight years in the White House and was present at the important phases of Mr. Wilson's career. He tells the story of the great War President frankly and fairly, pointing out his weaknesses as well as his greatness. This history, chapters of which will appear in the Post-Dispatch from day to day until it is concluded, will rank as a notable contribution to the varied Wilson biographies that are being written to follow his death.

CHAPTER VI.

Now Mr. Wilson's ideas of personal responsibility in party leadership led him to believe he should be nominated for a third term. NOTHING perhaps illustrates more forcibly the psychological effect of the parliamentary idea on the mind of Woodrow Wilson than his determination to attend the Paris Peace Conference as the head of the United States delegation. It was no sudden decision arrived at in the two weeks between the signing of the armistice and the day he set sail. Mr. Wilson had seriously considered going to Europe even in the months when the United States was neutral if by personal and official mediation he could bring about world peace. When Mr. Wilson did go to Paris to represent the United States in a conference of belligerents, people on this side of the Atlantic failed to grasp the significance of his relationship to the other negotiators.

It was not a conference of sovereigns—no Kings or Emperors were present. It was a conference, however, at the heads of parliamentary governments—Prime Ministers and Premiers. In point of rank all were on an equal footing except Mr. Wilson, who was not only Prime Minister, but the head of the state he represented. By virtue of his dual role, he was entitled to the consideration due both offices.

To have stayed in America and sent a member of his Cabinet as head of the delegation would have permitted the Prime Minister of Great Britain and the Premiers of other countries to outrank the chairman of the American delegation. This did not comport with Mr. Wilson's idea of the dignity of the United States as an equal nor was it consistent with the influential part America had played in attaining the aims of the war. The Secretary for Foreign Affairs in the British Cabinet, Arthur Balfour, and the Minister of Foreign Affairs in the French Cabinet, Stephen Pichon, were members of their respective delegations but they did not precede Prime Minister Lloyd George, the head of the British Government, and Georges Clemenceau, the French Premier, as well as Signor Orlando, the Italian Premier, together with the President of the United States made up the famous "big four" who conducted the Peace Conference.

It was the first time in the history of the American republic that the executive of the presidential system and the head of the parliamentary system came face to face. Mr. Wilson found himself constantly explaining the differences between the two. The British Prime Minister and the other Premiers were able to commit their Governments to a specific line of action. President Wilson told his colleagues he could not do so. He needed the concurrence of two-thirds of the United States Senate to approve his negotiations. The other negotiators were sure of their parliaments—if they had not been they could not have remained at the peace conference. A crisis back home would overnight have forced a resignation or a general election. Mr. Wilson had lost a majority of both Houses of Congress, but hoped to win non-partisan support for the treaty because never in American history had a treaty of peace been rejected by the United States Senate.

Why There Were No Senators on Peace Delegation

In this same connection it is pertinent to discuss what were Woodrow Wilson's reasons for declining to appoint to the American peace delegation any members of the United States Senate. He was bitterly criticized for his failure to do so, the argument being made that since treaties can be made only with the advice and consent of the Senate, the latter body should have representatives on the mission which negotiates the treaties. Wilson never made public his viewpoint on this. But gave, nevertheless, careful consideration to it before he announced the personnel of the American peace delegation. He called for an opinion from the Department of State. The opinion rendered was in consonance with a belief always held by Mr. Wilson that President McKinley made a mistake when he appointed two members of the Senate, a Democrat, and a Republican, to sit on the delegation which concluded a treaty of peace with Spain after the war of 1898. The action of Mr. Wilson was debated at length in the Senate at the time, some of the best constitutional lawyers of the day contending that it was improper to permit a member of the legislative branch of the government to hold any office with or without compensation in the executive branch of the Government. On this point the Constitution says: "No Senator or Representative shall, during the time for which he was elected, be appointed to any civil office under the authority of the United States, which shall have been created or the emoluments whereof shall have been increased during such time; and no person holding any office under the United States shall be a member of either house during his continuance in office."

When President Harding appointed Senators Lodge and Underwood special commissioners to act with the Secretary of State in negotiating the four-power treaty with Great Britain, France and Japan, Mr. Wilson felt that the Constitution had been disregarded again, as in the McKinley case. The answer made by the other side was that since the Senators received no compensation they were eligible, but Mr. Wilson's objection was that they could not remain Senators and act under the authority or orders of the executive branch of the Government at the same time.

The ill-fated appeal of October, 1918, when President Wilson asked the American people to elect a Democratic Congress was really a natural development of his theory of party responsibility. He asked for a Democratic Congress because Republican leaders had expressed opposition to his declaration of peace aims. He feared embarrassment by his opponents in the making of peace. His fears were confirmed. Even before the executive could complete his negotiations with other governments, the Senate by informal round-robin expressed dissent. In January, 1920, after the weary deadlock in the United States Senate over the ratification of the Versailles treaty in which was incorporated the constitution of the League of Nations, President Wilson, again conscious of party responsibility, appealed for a national "referendum" to decide whether the United States should accept the treaty and enter the League of Nations. He made the suggestion for a "referendum" in a letter to a national gathering of Democrats at a Jackson Day banquet—an occasion for party counsel. Six months later, when the Democratic National Convention was in session in San Francisco, Woodrow Wilson felt that he should be nominated again for the Presidency so that he might make the fight for the League. He held that his leadership was on trial and that since he had made the record he should enter the lists as his defender.

These were the days when Woodrow Wilson had suffered a physical breakdown. He had no serious thought, of course, of retaining the Presidency for a third term if elected. But he hoped his health would return so that he might seek vindication by a personal appeal to the voters. His party associates at San Francisco, including Bainbridge Colby, Secretary of State, who was to have made the motion to suspend the rules and nominate Woodrow Wilson for the presidency, joined in a telegram to the White House advising their chieftain that circumstances would prevent the passage of such a motion and that the plan had better be abandoned. The telegram was never published and Mr. Wilson never replied.

Was the election of 1920 the referendum Mr. Wilson sought? He never thought so. Thirty-one Republicans, including such eminent statesmen as Elihu Root, Charles Evans Hughes and Herbert Hoover, signed a statement issued to the Republican voters of the country, declaring that a vote for the Republican presidential candidate was a vote in favor of the League of Nations with suitable reservations. When the Republican nominee took office he announced in his inaugural address that he would not favor entering the League with or without reservations. The interpretation of Republican policy, on which presumably millions of voters had cast their ballots, was declared to have been erroneous. For that reason Woodrow Wilson hoped for a clear-cut issue in the platforms of the presidential contest, but he died before the lines of battle for 1924 could be drawn.

So to the end Woodrow Wilson carried his theory of personal responsibility to the party that had honored him with its leadership for eight years. (Tomorrow's chapter will deal with the intimate side of Woodrow Wilson's life.)

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LEAP YEAR GIRLS ARE ENTERTAINED

Legion Invitation Brings Out
30 Who Were Born on
Feb. 29.

Thirty "Leap Year girls"—all born on Feb. 29—put their heads together last night at Moolah Temple while unattached males shivered and pined each other. Leap Year, as everybody knows, is an uncomfortable year for eligible bachelors.

A reporter was in the house and plainly it was his duty to expose the 30 plotters, if plotting they were. The reporter adjusted his ear phone and waited. "This Leap Year business ain't all it's cracked up to be," a flapperish conferee was saying. "Here I'm sweet 18 today and this is only my fourth birthday. That means I've been cheated out of 12 perfectly good birthdays. What's the use of having a flock of cake-eaters hanging around you if you only get presents out of them every four years?"

"Commercialism," the reporter hissed to himself. "A strongly 'girl' whose age the reporter estimated to be 16, replied: 'On the other hand, dear, leap year has its advantages. Suppose I go to register and one of those smart clerks wants to know my age, when it's none of his business. In that case I can truthfully tell him I've just passed my fourteenth birthday.'"

"A lot of good that'll do you," countered the flapper. "You must admit that nobody would mistake you for a 14-year-old, my dear. And what if they did? Then you'd be too young to vote."

"Dear me," confessed the matron. "You're a smart child, but we wouldn't be here tonight if we weren't leap year girls, would we?" Which was true, and the flapper flapped no more. The 30 "girls" were present as guests of honor of the Fred W. Stockham Post of the American Legion, and had a "gorgeous time," to quote one of them. Welcomed by Legionnaires. Upon entering the Moolah Temple the "Leap Year girls" were welcomed by handmaiden legionnaires in evening dresses. They were given floral corsages and ushered to choice seats. They were entertained during the performance of "Le Scandale du Soldat," a minstrel show and musical comedy, in which members of the post and their female friends to the number of 80 participated. After the show the roll of honor guests was read and the guests went upon the stage while an audience of about 1200 cheered.

CHURCH NOTICES

CHRISTIAN SCIENCE

Subject of the lesson sermon at each church: "Christ Jesus." GOLDEN TEXT: Matthew 11:28. FIRST CHURCH, King's highway and Westminster place: 11 a. m. and 8 p. m. Reading room: 4744 McPherson, open daily from 9 a. m. to 9 p. m. except Wednesday, from 9 a. m. to 5 p. m.; Sunday from 2 to 5 p. m. SECOND CHURCH, 4234 Washington boulevard: 11 a. m. and 8 p. m. THIRD CHURCH, 3524 Russell avenue: 10:45 a. m. and 8 p. m. FOURTH CHURCH, 1550 Park boulevard: 11 a. m. and 8 p. m. Reading room, 5451 Park boulevard, open daily from 9 a. m. to 9 p. m. except Wednesday, from 9 a. m. to 7:45 p. m.; Sunday 2 to 5 p. m. FIFTH CHURCH, 3630 South Grand boulevard: 11 a. m. and 8 p. m. Reading room, same location, open daily 2 to 5 p. m.; Sundays and all holidays 10:45 a. m. SIXTH CHURCH, Mount Moriah Temple, Garrison and Natural Bridge avenues: 10:45 a. m. SEVENTH CHURCH, northwest corner, Grand street and Minnesota avenue: 10:45 a. m. WEDNESDAY EVENING—TESTIMONY MEETING at all the churches at 8 o'clock. DOWNTOWN READING ROOM, suite 1093 Railway Exchange Building, open daily from 9 a. m. to 9 p. m.; except Wednesday, 9 a. m. to 5 p. m.; Sunday 2 to 5 p. m. All are welcome.

25 Minutes a Day for God!

Noonday Lenten Services Christ Church Cathedral

13th and Locust Sts. Service begins on Wednesday Every Noon Except Saturday From 12:05 to 12:30. SPEAKERS: Ash Wednesday, Thursday and Friday—Rev. Frederick P. Johnson, D. D. Week of March 10th—Rev. J. M. Malone, D. D. of Tennessee. Other speakers include: Rev. Rev. S. C. Partridge, D. D. of Western Missouri; Rev. T. F. Thurston, D. D. of Oklahoma; Rev. Dr. George Craig Shuman, D. D. of Illinois; Rev. H. S. Longley, D. D. of Iowa; Rev. Robert Lefroy Harris, D. D. of Marquette, Michigan. Auspicious Brotherhood of St. Andrew. YOU ARE INVITED.

"ORDEALS CONFRONTED"

sermon by
Rev. Russell Henry Stafford
11:30 A. M.

PILGRIM CHURCH CONGREGATIONAL

Union and Kensington
Vespers, 4:30 P. M.—Topic
"STONE PILLOWS"

Christ Church Cathedral

13th and Locust Streets
WILLIAM S. KILLICK, Dean
Sunday Services 8 A. M.—Holy Communion, 10 A. M.—Community Lenten Service, 7:30 P. M.—Lenten Service, 8:30 P. M.—Lenten Service, 9:30 P. M.—Lenten Service, 10:30 P. M.—Lenten Service, 11:30 P. M.—Lenten Service, 12:30 P. M.—Lenten Service, 1:30 P. M.—Lenten Service, 2:30 P. M.—Lenten Service, 3:30 P. M.—Lenten Service, 4:30 P. M.—Lenten Service, 5:30 P. M.—Lenten Service, 6:30 P. M.—Lenten Service, 7:30 P. M.—Lenten Service, 8:30 P. M.—Lenten Service, 9:30 P. M.—Lenten Service, 10:30 P. M.—Lenten Service, 11:30 P. M.—Lenten Service, 12:30 P. M.—Lenten Service, 1:30 P. M.—Lenten Service, 2:30 P. M.—Lenten Service, 3:30 P. M.—Lenten Service, 4:30 P. M.—Lenten Service, 5:30 P. M.—Lenten Service, 6:30 P. M.—Lenten Service, 7:30 P. M.—Lenten Service, 8:30 P. M.—Lenten Service, 9:30 P. M.—Lenten Service, 10:30 P. M.—Lenten Service, 11:30 P. M.—Lenten Service, 12:30 P. M.—Lenten Service, 1:30 P. M.—Lenten Service, 2:30 P. M.—Lenten Service, 3:30 P. M.—Lenten Service, 4:30 P. 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16 QUESTIONS PUT TO REED BY FOES IN SPRINGFIELD

Space Bought in Newspaper to Carry Challenge to Senator Who Speaks There Tonight.

By a Staff Correspondent of the Post-Dispatch.
SPRINGFIELD, Mo., March 1.—Sixteen pointed questions placed at Senator Reed in a half-page advertisement in a morning paper here today when the Senator arrived from Joplin to keep a speaking engagement tonight. It was the welcome to Reed of a local organization known as "Democrats Opposed to Reed," headed by Ewing T. Mitchell and an executive committee of 13 women and 10 men, among them former State Senator Kirk Hawkins.

The questions go over the whole course of the Senator's stormy career of the last few years in the Senate and in Missouri politics. They remind him that in 1922 "dry" women campaigned in 1922 in rural Missouri seeking to convey the impression that he is dry, while in wet St. Louis he is supported with the argument that "Reed will give us back our beer." Reed is asked whether he favors repeal of prohibition or modification of the Volstead act, and if so to what extent.

Twisted About League.
One question is whether he would accept the nomination for President this year if the Democratic platform declares unequivocally for the League of Nations. Another inquires how Reed squares his boast of party regularity with his stand as the only Democratic Senator voting for the confirmation of George Harvey as Minister to England, after the bitter attacks of that individual upon President Wilson. He also is asked to explain why he voted for the confirmation of Herbert Hoover as a member of the Harding Cabinet after having denounced him as a traitor while he was a part of the Wilson administration.

"You have repeatedly attacked Mr. McAdoo for having made some large fee in the practice of law after having resigned as a public official," Reed is told. "If this course was reprehensible for him will you please explain on what theory you retain the individual upon the State Senator and devote a large part of your time to the practice of law, and will you say how much of your practice has come to you because you are a Senator? Will you state the amount of your fee for defending Pelletier, former District Attorney at Boston who was impeached for malfeasance in office?"

Recall Indignities to Wilson.
"You have said McAdoo is unworthy to be President. If he is nominated will you support him?" "When even such partisan Republicans as Senator Lodge rose when President Wilson entered the Senate during the war, how do you explain to Missouri Democrats why you of all the Senators retained your seat?"

Anti-Reed Force Control the Local Democratic County Committee and have made arrangements for the election next week of delegates to the State convention to be held here April 15, which Reed leaders have denounced roundly, as unfair to Reed.

Time for Newspapers to Quit Lying, Says Reed.
JOPLIN, Mo., March 1.—"It is time for some bolshes, some defeated candidates and some newspapers to quit lying," declared Senator Reed here last night in the course of a speech in his campaign for President. Reed had been replying to a charge by Breckinridge Long of St. Louis, that the Senator had represented the Armour interests all the while he was fighting the food control bill during the war, to which the packers also were opposed.

Reed again defended his course in suggesting recall of E. L. Doherty by the Oil Investigating Committee in Washington, which resulted in exposure of William O. McAdoo's connection with Doherty as attorney.
"But what if I had kept still?" said Reed. "You might have nominated and elected a candidate who could not have stood up because of grease on his feet. What if Mr. Doherty had been indicted, tried and convicted? Don't you think we all would have been embarrassed, including the President himself?"

WHEN A FELLER NEEDS A FRIEND

Runaway Boy Taken to Children's Home.

Ted Hancock, 16, failed in school and at West Frankfort, Ill., and decided to seek his fortune elsewhere. Detectives found him crying at Eighteenth and Market streets yesterday. He had no money and was hungry. He had arrived at 3 p. m. Thursday with a small grip, a rusty revolver and some few clothes. Having no funds, he spent the night alternating between a bench in the station and walking the streets. When daylight came he followed the same program until tears gave vent to his feelings. He was taken to the Children's Home.

HOUSE BODY FOR AN APPROPRIATION OF \$153,696,567

Sum Includes \$13,850,622 to Recondition Coast Destroyers and Buy 323 Run-Chasing Craft.

By the Associated Press.
WASHINGTON, March 1.—Appropriation of \$153,696,567 was recommended today by the House Appropriations Committee to enable various government departments to wind up the fiscal year without deficits.

The individual items included \$13,850,622 to enable the Coast Guard to recondition 20 destroyers and buy 323 fast motorboats for use against run runners. The committee also approved appropriations of \$26,000 for the reconditioning of the Illinois Island immigration station; \$200,000 for completing a dam on the El River Indian reservation, and \$450,000 for factory buildings at the Leavenworth penitentiary.

Major items in the measure also included \$11,681,000 for pay of postal employees; \$5,000,000 to complete the appropriation for Federal hospital facilities; \$65,000 for addition and betterment of the Railroad and \$245,000 to prevent an operating deficit by the road and \$854,000 for headstones for graves of American soldiers.

The bill further recommended \$204,850 to enable the War Department to pay adjustments and awards of courts in condemnation proceedings for land authorized by the War Relocation Authority. It also recommended \$204,850 to enable the War Department to pay adjustments and awards of courts in condemnation proceedings for land authorized by the War Relocation Authority.

MEMORANDUM FOR THE PRESIDENT
SUBJECT: LABORERS DEMAND WAGE OF 87 1/2 CENTS AN HOUR, HOLDING ENGINEERS \$1.50.
Union building laborers and holding engineers on a few jobs in St. Louis failed to report for work today following refusal of their employers to grant increases in wages.

It was said at the headquarters of the Building Laborers' Union that about 60 men were affected, and that they were given employment on other jobs. It was announced that more than 90 per cent of the contractors were paying the increased wages, although only a few of them had signed new contracts. It was said that only a few holding engineers were affected.

COMMITTEE NAMED TO STUDY COTTON REPORT METHODS
Daniel Roper One of Those Appointed by Hoover to Supervise Cotton Report Methods.
WASHINGTON, March 1.—Secretary Hoover today announced the appointment of the special committee planned at a recent conference with Senators to investigate methods used and offer suggestions for improving ways and means of compilation of cotton statistics.

GIRL KILLED IN FALL FROM HOTEL WINDOW IN CHICAGO
Daughter of Department Store Owner Found on Lawn by Night Clerk.
CHICAGO, March 1.—Miss Ruth Hillman, 19 years old, daughter of Edward J. Hillman, president of Hillman's department store, was killed today in a fall from a window of the Hillman suite in a Lake Shore hotel.

THREE LEGLESS LEGATEES
But Woman's Will Mentions Only One Whose Name She Did Not Know.
By the Associated Press.
DES MOINES, Ia., March 1.—Rachael Hull Brown, who died here Feb. 18, provided in her will, probated today, that a certain young man with both legs off, who gets about by sitting on a board with rollers under it and who begs upon the streets of Des Moines, and whose name I do not know, be paid the sum of \$100. It happens that there are at least three such young men in Des Moines. The executor of the estate, Howard L. Dump, is seeking legal aid to determine which of the mendicants was referred to by Mrs. Brown.

CONVICT DIES OF CONVULSIONS AFTER EATING CEREAL IN PRISON

Condition—Missouri Board Chairman Orders Inquiry.

JEFFERSON CITY, March 1.—Chairman Hoffman of the State Penitentiary Board today ordered an investigation into the poisoning of two convicts in the State Penitentiary, apparently by a cereal served them last night at the prison commissary which served in the death of one man early this morning and the critical illness of another. William Newell, serving a life sentence for murder, from Buchanan County, from 1916, became seriously ill after eating a portion of prepared bran, and died in convulsions early this morning. H. H. Smith, sentenced to life for burglary from Buchanan County, from 1916, became seriously ill after eating a portion of prepared bran, and died in convulsions early this morning.

ST. LOUIS, March 1.—Erlich von Ludendorff sought to vindicate himself as the national hero of the German people at the session of his trial for treason yesterday. His words dripped with self-pity when he pleaded with denunciation of those who squelched his "beer putch."

As he read a speech of 45 pages, his broad face was purple with exertion and florid with melodrama, although the effect he sought was spoiled by the comic slipping of his horn-rimmed glasses to the tip of his nose.

MAN WITH FROZEN HANDS REJECTED AT CITY HOSPITAL
North Dakotan Here in Search for Work Not Allowed to Remain Because of In Nonrecurrence.
When Linton Scott, 33 years old, arrived here yesterday from Bismarck, N. D., in search of work, both hands were swollen from frostbite. He had been frozen before he reached this territory. He went to a doctor's office on Delmar boulevard. The doctor had him taken to city hospital.

READY TO PILOT SHENANDOAH
Capt. Heinen Says He Could Fly to Pole in Five Days.
By the Associated Press.
NEW YORK, March 1.—Capt. Anton Heinen, German dirigible expert, yesterday declared he was ready to pilot the Shenandoah on a nonstop dash from Lakehurst, N. J., to the North Pole in five days. If Great Britain or any other Power threatened to beat the United States to the unexplored polar regions this summer.

COLLEGE DEBATE BY RADIO; DECISION BY LISTENERS-IN
OAKLAND, Cal., March 1.—Debaters of the Universities of Oregon and California last night participated in what was said to have been the first intercollegiate debate ever conducted by radio.

THE REV. E. T. McFARLAND of Lawrence, Kan., has accepted the pastorate of the First Methodist Christian Church, King's highway boulevard and Reber place, and has telegraphed that he will arrive here to conduct the services tomorrow evening. He formerly was pastor for 18 years of the Fourth Christian Church, Blair avenue and Penrose street, this city.

AGREEMENT REACHED IN LINCOLN TRUST CASE

Cash Settlement Made to Clients Who Objected to Report of Receiver.

Settlement of objections to the report of State Finance Commissioner Millsap, in the Lincoln Housing Trust receivership case, was effected yesterday and their report was approved by Circuit Judge Frey, who also made allowances to attorneys and others. The action enables the trust to go forward in its reorganized form as the Lincoln Savings and Loan Association, with \$80 per cent of contract holders in the former organization have assented. Millsap's reports show assets totaling \$1,270,109, after payment of claims allowed by court.

Cash Settlement Made.
"It was not my intention to make public the terms of the agreement," Caplan said, "but since someone has broadcast that I was whipped into line, I feel that in justice to myself the facts should be made known."

Caplan then exhibited a slip showing he had just deposited \$10,105.12, to be divided as follows among various clients, each of whom is reimbursed for all they invested, he said: Helen G. King, \$16,781; Stella O. Dickey, \$54,189; Belle D. Evans, \$75; Fannie E. Price, \$89.45; L. H. Schooner, \$105; Winnetta H. Grady, \$480; Minnie E. Jewell, \$570; Georgiana Dickson, \$225; Nathan Goldberg, \$658.50; D. Pappas, \$1500, and H. Ironoff, \$2250.

THE CHIEF ALLOWANCES MADE BY THE COURT were: To T. E. Francis, W. G. Garesche, A. J. Freund and Salkey & (Wilbur E.) Jones, as attorneys for the receiver, \$22,000; to (J. C.) Jones, Hocker, Sullivan & Angert, for services in reorganization of the trust, \$10,000; to H. K. Duff, receiver in Michigan, and his counsel, \$1500; to Ben G. Brinkman, E. W. Forstet, Charles Hertenstein and Thatcher A. Parker, \$22,513.02 in repayment of advances made for receivership expenses; to Forstet, Hertenstein and Brinkman another joint allowance of \$11,823.83; to Brinkman, \$5911.81; to Commissioner of Finance, \$2300; to the Lincoln Fiscal Agency, \$2224.68.

Believes Legal Claims Fair.
It was said that the amount asked by counsel was substantial, but it should be considered that about \$1,300,000 in property was brought into court and administered by the receiver. He is not seeking compensation for himself. Further, the judge said, a plan for reorganization was worked out that is satisfactory to a large majority of the certificate holders. It is certainly better for the certificate holders of this trust," said the court, "than the same being reorganized into a legal going concern and then to open up the property and sell it at a loss of \$1,000,000 of long-term deeds of trust which would have to be sold at a substantial discount. For conserving this property and reorganizing it, counsel ought to be reasonably compensated."

OBJECTIONS TO TAKING BUSES OFF WATERMAN AV.
Operating Company Considers Possibility of Re-establishing Line.
The People's Motor Bus Co. is considering the possibility of re-establishing its Lindell-Locust bus line between Union boulevard and Washington University, via Waterman avenue, because of numerous objections to the discontinuance, decided on following complaints of Waterman avenue residents against the buses. However, the line will not be extended beyond Union again unless there is an insistent public demand, company officials said. They added that Washington University students are understood to be planning a petition to get the line back.

DEDIED AUTO, YOUTH ENDS LIFE.
MEDINA, O., March 1.—Downhearted because his mother said she could not afford to buy him an automobile, Edward Cox, 19, captain of the Medina High School basketball team, committed suicide by drinking poison last night.

2 PHONE OPERATORS HELD IN AUTO CASE

Employees of City Hospital Alleged to Have Run Down Aged Man.

Mrs. Florence Harrington and Mrs. Bobby Louise Russell, each 24 and employed as telephone operators at city hospital, for whom the police had been looking since 1 p. m. yesterday in connection with an automobile accident in which a man was seriously injured, walked into Central Police Station at 1:30 p. m. today.

The injured man, Jacob Doll, 63, of 4069 Phillips avenue, who suffered fractured ribs and a probable skull fracture, was taken to the hospital in an automobile owned and driven by Mrs. Harrington, who was accompanied by Mrs. Russell. The women told the receiving physician they had picked up Doll from the street at Ninth and Chestnut streets.

Doll said he had been knocked down by an automobile, but he was unable to describe the persons in the car. Mrs. Harrington said it was not her machine that had struck him. Later Edward P. Walsh, an attorney for the United Railways, told the police he had seen the women lifting Doll into their automobile, and added that one of the women told him they had knocked the man down.

Two Children Injured by Automobile.
Anna Peiffer, 5, of 511 West Schirmer street, stepped from behind a southbound Bellefontaine street car at West Schirmer street and Virginia avenue yesterday, and was knocked down by a passing automobile. She was hurt internally.

GIRL PSYCHIC SOLVES MYTHICAL MURDER MYSTERY
She Describes Principals and Gives Motive When Asked About Crime Never Committed.
By the Associated Press.
NEW YORK, March 1.—Miss Eugene Dennis, school girl psychic, has solved one of New York's most baffling mysteries—the murder in 1920 of Carl Hostetter and Natalie Willis, but unfortunately the crime has never been repeated to the police, and so far as is known, exists in the imagination of the person who asked the 18-year-old girl to describe it.

Sentenced on Extortion Charge.
By the Associated Press.
LOS ANGELES, Cal., March 1.—Herman L. Roth, Hollywood attorney, recently convicted of having attempted to extort money from Arthur H. Sawyer, business manager for the film actress, Barbara La Marr, yesterday was sentenced by Judge Russ Avery to one to five years in San Quentin Prison. The court denied an application for probation and passed sentence in the face of a statement by the convicted man's attorney that Roth's health was in an extremely precarious condition and that his life was saved in the county jail Thursday night only by administering of powerful restoratives. Roth is 59 years old, and is said to be suffering from a weak heart. His attorney filed a notice of appeal.

THE FOREGOING FIGURES are from the Equitable's Sixty-fourth Annual Statement which will be sent to any address on request.

CONDENSED BALANCE SHEET DECEMBER 31, 1933

ADMITTED ASSETS		LIABILITIES AND RESERVES	
Mortgages on Dwellings	\$44,182,745.81	Insurance Reserve	\$570,269,414.00
On Farms	1,181,076.68	All Other Liabilities	21,572,116.25
On Business Properties	62,370,456.68	SURPLUS RESERVES:	
Real Estate	13,408,548.89	For Distribution in 1934:	
Bonds	327,339,867.00	On Annual Dividend	
Stocks	4,775,115.00	Policies	24,800,000.00
Loans on Society's	96,941,730.00	On Deferred Dividend Policies	14,848,000.00
Loans on Collateral	682,750.00	Awaiting Apportionment on Deferred Dividend Policies	9,161,433.00
Cash (\$5,572,183.08 at interest)	5,572,183.22	For Contingencies	46,995,394.02
Other Assets	23,268,866.29		
TOTAL	\$688,944,357.27	TOTAL	\$688,944,357.27

ANOTHER 20-YEAR-TERM FOR ROBBER ON SECOND TRIAL

Harry Adler, who recently admitted a series of some 50 holdups but refused to plead guilty unless he was let off with a light sentence, was tried a second time yesterday and given another 20 years in the penitentiary by a jury in Circuit

Judge Littner's court. On Feb. 8 a jury gave him 20 years in the penitentiary on one of the many cases. Adler did not take the stand yesterday, but the prosecuting witness, Theodore Schroeder, 3866 Flora place, retold Adler's description of the holdup on Oct. 21 at Flora place and Lawrence avenue, in which Schroeder lost a watch worth \$25. Schroeder said he could not identify Adler at Police Headquarters after his arrest, but the prisoner refreshed his memory to such an extent that he was able to identify the robber as Adler.

Alfred Nudelmann, 19, 1231 ton avenue, one of two youths involved in the holdup, pleaded guilty on counts yesterday morning and sentenced to serve eight years in Wittman, the other pleaded guilty recently on counts and drew a sentence of years in the penitentiary.

THE EQUITABLE LIFE ASSURANCE SOCIETY OF THE U. S.
120 BROADWAY, NEW YORK, N. Y.
Incorporated under the Laws of the State of New York

There are Equitable policies for all life insurance needs—policies to strengthen the business and credit of individuals, firms, and corporations; policies to pay inheritance taxes; to settle estates; to aid in the purchase of homes; to safeguard mortgages; to educate children; to support men and women in old age; to protect employees through group insurance. But the most important public service rendered by the Equitable is to assure protection for the family and home under policies providing in various ways for the payment of the insurance money in the form of a monthly income for life. Thus the beneficiaries are protected against waste or loss. In this way the Equitable provides insurance that insures—protection that gives permanent protection. The Equitable's public service is further indicated by the distribution of its funds throughout the United States in conservative investments, including dwelling and farm loans.

OUTSTANDING INSURANCE, DEC. 31st, 1933..... \$3,445,574.457
Individual Insurance.....\$2,098,972.189 Increase \$320,454.144
Group Insurance..... 467,603,278 Increase 64,596.371
Total Increase for the year.....\$385,150.515
NEW INSURANCE IN 1933 (not including Group).... \$ 584,717,613
An Increase of \$89,466,578 over 1932
PAID TO POLICYHOLDERS IN 1933..... \$ 109,391,558
PAID TO POLICYHOLDERS since Organization.... \$1,678,967,000

CONDENSED BALANCE SHEET DECEMBER 31, 1933

ADMITTED ASSETS		LIABILITIES AND RESERVES	
Mortgages on Dwellings	\$44,182,745.81	Insurance Reserve	\$570,269,414.00
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M. A. Nelson, Agency Manager
Arthur W. Green, City Manager
Equitable Building, St. Louis

W. A. DAY President

The following are accredited representatives of the Equitable Life Assurance Society in the City of St. Louis and are qualified to give competent advice concerning your life insurance requirements.

C. M. Avery
M. W. Bradley
Mrs. V. S. Crosby
E. A. Ellwell
Richard E. Goyer
W. Ashley Gray
F. A. Keller

Sig Klarsfeld
F. C. Klossner
Larry Lynn
Arthur W. Lambert Jr.
Chester J. McPheeters
Hugo Mueller
Eugenia C. Nichols

Elmer F. Quest
Delia B. Roberts
A. C. Schmid
Ernest M. Staude
Henry Weil
W. S. White
Jno. I. Wood

Scratch Pads
LARGE SIZE
Each 7 Cents
Three for Twenty Cents

These Pads are made up 6 1/2 x 8 inches and contain approximately 200 sheets each. They are just the thing for office use and cheap enough for you to supply every employee with a Pad and instructions to use scratch paper and save expensive stationery.

Office Workers and School Children Will find these handy pads a great help in their work. Get a liberal supply and take part of it home.

No Mail or Phone Orders
Call at the Business Office of the POST-DISPATCH
Smith and Olive Streets

Princess Louise of Belgium Ill.
PARIS, March 1.—Princess Louise of Belgium, cousin of King Albert, is seriously ill at Wiesbaden, according to a dispatch received here. She is 64 years old, and her fine constitution still permits her to hope for her recovery. It is said that the Belgian Court, however, has been informed and her daughter, Duchess Dorothea of Schleswig-Holstein, has been summoned.

PORT DISMISSES SUIT INVOLVING SALE OF HOTEL

That Maurice Todes, Owner of The Brancome, Failed to Make Showing of Fraud.

SALE OF STRUCTURE TO FOLLOW RULING
Plaintiff Had Sought to Enjoin Sam Koplar From Foreclosing on a Mortgage.
Maurice Todes, owner of the Brancome Hotel, 5370 Pershing avenue, who filed suit last Monday to enjoin Sam Koplar, real estate speculator, who sold him the hotel, from foreclosing on a mortgage, failed to make a showing of fraud, and the suit was dismissed last night by Circuit Judge Frey.

The result of this ruling will be the sale of the hotel Monday in the foreclosure proceedings. Denial of the suit came at a special session of court held last night and following two recesses to give attorneys for both sides an opportunity to make a settlement. No deal could be reached in the conferences, and at 9:45 o'clock Judge Frey said:

"I am satisfied the plaintiff, Todes, has failed to make a showing of fraud, and I therefore dismiss the plaintiff's bill." Todes was under cross-examination by Lambert Walther, attorney for Koplar, for four hours yesterday afternoon, and frequently contradicted himself.

Todes testified he bought the hotel without investigation of its earnings, on the representations of Koplar, and that he had made an exorbitant profit in the transaction. But he failed utterly to show that Koplar had in any way defrauded him, as he had alleged in his petition. He had simply contracted to buy the hotel for \$500,000 and found that the revenue did not meet the obligations, including interest on four mortgages.

It was when he defaulted in the payment of a note on one of these mortgages Jan. 20, and Koplar had refused to give him an extension of time over a long period on that note and other bills, that he set up the cry of fraud, and he failed to show that he did not know from the beginning that Koplar had made a big profit in the sale.

Koplar purchased the hotel from Chase Utman, owner of the Chase Hotel, for \$700,000, not \$650,000 as Todes had alleged, and revenue stamps on the deed from Utman to Koplar showed the exact price. This deed was turned over to Todes when he bought the hotel from Koplar at \$500,000 and was in his possession before he closed the deal with Koplar.

The testimony of Utman, who had been subpoenaed as a witness for Todes, turned out to be favorable to Koplar. He said Todes should have known all about the earnings of the hotel from the beginning, as he was in possession of Utman's books on the place, containing statements of earnings for many years back.

Memory Failed Witness.
In the face of these facts, Todes made a weak showing. His memory failed utterly in matters pertaining to his business judgment, but was very good in all things pertaining to Koplar's business methods.

Thomas J. Haradon, public accountant, who made an audit for Todes of the period between April 1 and Dec. 31, 1932, testified the receipts averaged \$15,000 a month and showed a net profit in that period of \$55,721.33, which dwindled to a loss of \$15,000 after deducting interest charges and depreciation. Judge Frey pointed out that if certain items, which the witness had been charged to operating the hotel, had been charged to the capital account, a different result would appear.

Todes paid \$5000 earnest money when he agreed to purchase the hotel a year ago, and subsequently paid Koplar \$75,000. Since then he claims to have paid about \$90,000 on notes or in improvements. But during that time he has taken the rents, and his exact equity in the property was not shown. There were four mortgages against the hotel, amounting in all to about \$150,000. Todes himself put one of these against the property.

Todes operated a hotel at Midway, Ky., and had formerly operated the Henry Watterson Hotel at Louisville, and the Westgate and Usona hotels in this city.

REED FORSMITT DISMISSES SUIT INVOLVING SALE OF HOTEL

That Maurice Todes, Owner of The Brancome, Failed to Make Showing of Fraud.

SALE OF STRUCTURE TO FOLLOW RULING
Plaintiff Had Sought to Enjoin Sam Koplar From Foreclosing on a Mortgage.
Maurice Todes, owner of the Brancome Hotel, 5370 Pershing avenue, who filed suit last Monday to enjoin Sam Koplar, real estate speculator, who sold him the hotel, from foreclosing on a mortgage, failed to make a showing of fraud, and the suit was dismissed last night by Circuit Judge Frey.

The result of this ruling will be the sale of the hotel Monday in the foreclosure proceedings. Denial of the suit came at a special session of court held last night and following two recesses to give attorneys for both sides an opportunity to make a settlement. No deal could be reached in the conferences, and at 9:45 o'clock Judge Frey said:

"I am satisfied the plaintiff, Todes, has failed to make a showing of fraud, and I therefore dismiss the plaintiff's bill." Todes was under cross-examination by Lambert Walther, attorney for Koplar, for four hours yesterday afternoon, and frequently contradicted himself.

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By Going to Hot Springs in February the Pitchers Hope to Steal a March on the Enemy in April

Sisler Performs Brilliantly At First Base in Fast Workout; Pat Collins Toiling for a Job

Brownie Manager Captures Grounders and Flies With Ease and Players Grow Enthusiastic When Their Leader Chases to Grandstand to Pull Down Foul.

Special to the Post-Dispatch.

MOBILE, Ala., March 1.—George Sisler yesterday played first base in practice and of the many close observers on the side lines there was none who had even the slightest suspicion that he was having or had ever had any trouble with his eyes. Sisler caught fly balls in the same manner as he had done in 1922. Not only did he catch the high skiers but he chased over to the grandstand twice and plucked foul flies near the walls.

The catching of these foul flies near the grandstand was the best proof to date Sisler is experiencing but little trouble with his eyes. The grandstand is in such a position that the player on the infield is compelled to look directly in the sun when following the course of a high-hit ball. Players who have never had eye trouble have lost the ball in the sun since the training work at this camp started.

Sisler states that he is feeling fine and that he is more than pleased with the showing he has made to date. George is not wearing a cap of his work to his critics, preferring that they look him over carefully and state their opinion in preference to making any statement on his own hook.

Lions in First Workout

George Lyons, who last year was with Los Angeles, arrived yesterday morning and reported at Monroe Park or his first workout of the season. His home is at Shell City, Mo. Lyons put in his time chasing fly balls. He was not called upon to do any pitching.

"Dick" Hyland, the recruit pitcher, has plenty of nerve. He arrived in camp Thursday evening. Yesterday morning he asked how he could get out to the ball park. He was told to take a Marine avenue car in front of the hotel. "Oh, I won't bother with a car," said Hyland. "I'll just take a taxi." Won't that knock Walter Gerber and Bill Jacobson for a row of street car tokens? Hyland is small, but what this boy lacks in height and weight he more than makes up in nerve.

Edmund Yangler had a rather long run on the mound yesterday, the big boy from Cape Girardeau hurling the ball over in rapid-fire form. Big Van says that he is feeling "tolerably" good. This spring and he "reckons" he ought to have a good year. He is in mid-season form in the dining room.

Pat Collins is coming along fine.

Olympic Hopes in Illinois Meet

New World's Indoor and Big Ten Records Are Expected Tonight.

By the Associated Press.

URBANA, Ill., March 1.—A showing of the Middle West's best athletes to the American Olympic team will be made by the 1000 athletes from 51 institutions entered in the seventh annual relay carnival here tonight. New conference and some world indoor records are counted on.

Out of the large number of institutions entered, Illinois and Michigan of the Western Conference appear to have the largest offering of stars, and are favored to take the leading places. Individual stars from the Missouri Valley Conference and from smaller co-edited conferences will probably break into the record-making class.

Coach Harry Gill of Illinois will have Bob Ayres, joint holder of the world's indoor record in the 75-yard dash, and the runner who tied the world's record in the 75-yard high hurdles in the carnival last year.

Other stars entered include Wittman of Michigan, Irwin of Kansas, and Hubert of Iowa and Blier of Washington in the 75-yard dash; Simpson and Keeble of Missouri and Hubbard of Michigan in the high hurdles, with Keeble claimed to have beaten the world hurdle record this week in a dual meet; Brookins, world's title holder in the low hurdles, from Iowa; Dehart, Hubbard of Michigan, and McKown of Kansas Teachers' College, who, with Brownell, are considered the most likely American Olympic entrants in the pole vault; Riecke and Hattendorf of Michigan, and Valley of Wisconsin, in the 1600-yard run; Poor of Kansas, Smith of Michigan, and Wright of Illinois in the high jump.

The Illinois have their record in the four-mile relay to defend with a strong aggregation of runners. They also have a strong second team. Ames, with a new team, is going to meet trouble in defending his record in the two-mile relay.

Although Mississippians Fred Schimmler, Illinois' Fred Hammond, and Wisconsin's Schell and Towner of Minnesota, titans of the Illinois indoor track team, are in Chicago, where they will be in training.

Phillies' Pitching Ace Unable to Work Because of Injuries

Arrival of Sherdel Increased Total Number of Veterans in Camp to Five.

Special to the Post-Dispatch.

BRADENTOWN, March 1.—Cold and wet weather having cooled and dampened the ardor of the Cardinals rookies, interest was transferred to Sarasota—a new spring home of the Giants—where the Ku Klux Klan held a demonstration. All going to Sarasota were patrolled by the "pillow-case boys."

Among the signs carried by the parading klanners was one which read "Shower of loquacious." This had a funny touch because, down here, everyone is either dodging or trying to meet one.

The sun came out yesterday, and the rookies began to work. They didn't mean much, because every veteran condition has been against real progress.

Bill Sherdel, pony southpaw, blew into camp yesterday and insisted on trying out his pitching wares. Bill's slow one is more hesitating than ever. "Sherry" brings the number of veterans in camp to five. Fred "Terrible" Thomson of the University of Nebraska catcher, is coming around splendidly. He will probably find it out for himself when he goes to California and young Howe, Howie weights 200 and has a real arm. The only fear is that he will try so hard to make a good impression that he will hurt his arm.

Splendidly-shanked George Berry more or less from the army, has had his chance and the skinny chap has come through nicely. He apparently has a world of "stuff," but needs experience. He is a right hander.

Racing Results and Entries

New Orleans Results.

Weather clear; track fast.
FIRST RACE, 5:30 p.m., 5-year-olds, four furlongs. Six horses, 115 lbs. 1st, 115 lbs. 2nd, 115 lbs. 3rd, 115 lbs. 4th, 115 lbs. 5th, 115 lbs. 6th.
SECOND RACE, 6:00 p.m., 3-year-olds, four furlongs. Six horses, 115 lbs. 1st, 115 lbs. 2nd, 115 lbs. 3rd, 115 lbs. 4th, 115 lbs. 5th, 115 lbs. 6th.
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FIFTH RACE, 7:30 p.m., 3-year-olds, four furlongs. Six horses, 115 lbs. 1st, 115 lbs. 2nd, 115 lbs. 3rd, 115 lbs. 4th, 115 lbs. 5th, 115 lbs. 6th.
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27 Organizations Enter

By the Associated Press.
NEW YORK, March 1.—Leading athletes of 27 organizations have been entered in the national indoor track and field championship meet to be held at the Twenty-second Regiment Armory next Wednesday night. Amateur Athletic Union officials announced yesterday. The New York A. C. will have the most entrants, 21, one more than will wear the colors of the Illinois A. C. of Chicago.

Tomorrow's Havana Entries

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HOUSTON MANAGER TO WATCH CARD ROOKIES

By the Associated Press.
HOUSTON, Tex., March 1.—Hunt H. H. manager of the local Texas League team, will depart for the St. Louis National training camp at Bradenton, Fla., tomorrow. It was announced yesterday. Hunt will be absent for several weeks. His special mission to Bradenton is to see that the Houston team is in good shape when he returns. He will also see that the Cardinals are in good shape when he returns.

Hammond Signs With Reds

CINCINNATI, March 1.—George Hammond, second baseman of the Cardinals, has signed a contract with the Cincinnati Reds. Hammond was with the Cardinals last year. He was a member of the Cardinals' team that won the National League pennant in 1922. Hammond was a member of the Cardinals' team that won the National League pennant in 1923. Hammond was a member of the Cardinals' team that won the National League pennant in 1924. Hammond was a member of the Cardinals' team that won the National League pennant in 1925. Hammond was a member of the Cardinals' team that won the National League pennant in 1926. Hammond was a member of the Cardinals' team that won the National League pennant in 1927. Hammond was a member of the Cardinals' team that won the National League pennant in 1928. Hammond was a member of the Cardinals' team that won the National League pennant in 1929. Hammond was a member of the Cardinals' team that won the National League pennant in 1930. 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Cornell Team Is Favored to Win Collegiate Meet

Clark Expected to Take Dash While Booth Has Chance to Set Two-Mile Record.

By Loren Murchison
U. S. Sprint Champion.

NEW YORK, March 1.—The third annual indoor intercollegiate games will be held tonight in the huge armory of the Twenty-second Regiment. College athletes of the East and Midwest will assemble to fight for the indoor title. The University of Pennsylvania was the winner of the contest last year. The Red and Blue, coached by Dawson Robertson, first choice for head Olympic coach, will again compete. But Penn is in for a real battle.

Critics who follow college sports closely think a new champion will be crowned, with Cornell the favorite. Cornell is expected to score enough seconds, thirds and fourths to overcome the first place of the other colleges.

For my own part I favor Cornell, but do not feel they have clinched the title. Surprises are bound to come and no college with a full team entered can be counted out. I think the snarling Tiger of Princeton, which has been pushed into the background, may surprise.

Clark Favored in Dash.

It is the individual championships which will give the track fan his real thrill. I cannot expect to pick the winner of the various events, but it would be well to go over some of the possibilities.

In the 70-yard dash, Louis Clark of Johns Hopkins seems first choice. He is the man who ran the 100 indoors in 9.4-5 seconds. I have always admired Clark and look for him to do something tonight. "Chet" Bowman, of Syracuse, he runs will be right up in the finish. There are some rumors that Bowman will not compete in the dash. I will be surprised if Keane doesn't give his football player a chance. Other sprinters of note are: Fitterman of Dartmouth, Hill and Shatz of Pennsylvania, and Heif of Cornell.

In the mile Kirby, the Cornell captain, who won the outdoor championship will oppose a good field. Douglas of Yale, and Enck of Penn State, are his leading rivals. Enck is one of the finds of the year and he will make them all step. Kirby will have to shed more than he has at any time this year in order to win.

Booth May Set Record.

In the two mile, Vernon Booth of Hopkins, will try to take Jimmy McLane's, the Pennsylvania, and two mile title away. Booth beat McLane outdoors and should win the long grind tonight with a new record. Others entered are: Helm at Georgetown and Moore of Columbia.

In the hurdles, Charley Moore of Penn State looks the best bet. George Scattergood, of Princeton, and Ray Wolf of Penn, will be right along with the star of the Nittany Lions.

Hills of Princeton stands head and shoulders above the field in the shotput, while the 35-pound weight winner is still in the dark. A number of good huskies will be after this event.

In the pole vault, the two Penn stars, Ben Owen and Nelson Shattell, are again entered. They will meet a select field which includes Libbey, the Dartmouth captain. The bar will go close to the 12-foot mark in this event.

Two Stars in High Jump.

In the high jump Sid Needs and Flahvey of Georgetown seem the stars. Needs, if in form should win, doped on his past performance. Al Rose, the Penn captain, who holds the broad jump title is going to have a hard job to retain his honors. There are a number of fair broad jumpers who can give the Quaker captain a real battle.

The other events are the one and two-mile relays. It is very difficult to pick the winners of these events, for the teams have not inter-raced much during the year. Penn State could have run away with the two-mile relay had not Allan Heifrich been declared ineligible. The meet alone can pick the winners.

ST. LEOS MEET MILLERS FOR DIVISION TITLE

The St. Leo's meet the Ben Miller soccer team at Fairgrounds No. 1 at 3 o'clock this afternoon and the two teams will play again tomorrow afternoon at the same place and hour. The championship of Division No. 2 of the Municipal League hinges on the results of these two games.

Scotland Beats Ireland.

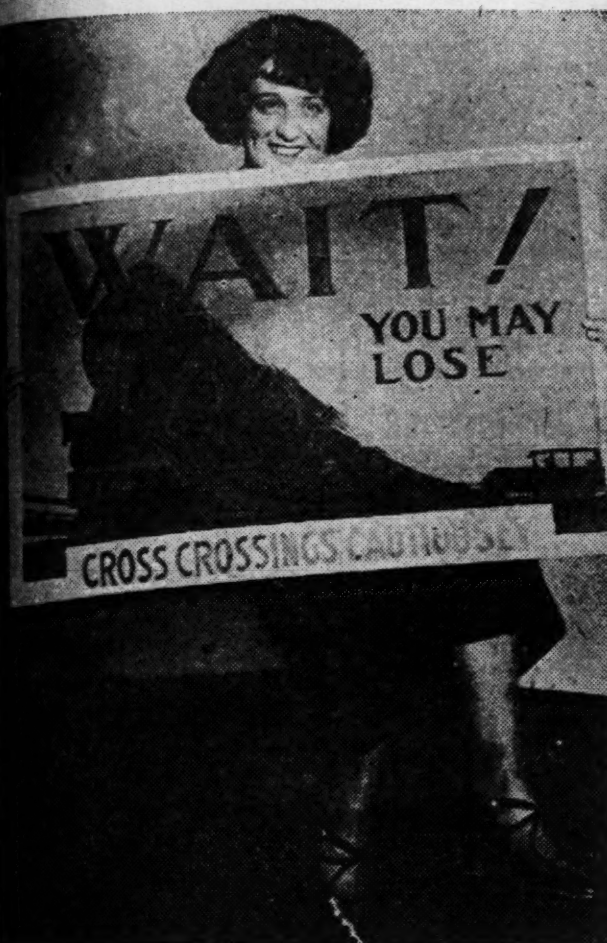
By the Associated Press.
NEW GLASGOW, March 1.—Scotland defeated Ireland by 3 to 0 in their annual international soccer match here this afternoon.

ARE YOU AN AUTO SALESMAN?

I have a real selling proposition for you. Completely confidential. Y-303, P.D.

—International Newsreel Photo.

WINNING POSTER IN RAILWAY CONTEST



The winning poster made by Martin H. Bambee, student at Pratt Institute, Brooklyn, N. Y., in the contest conducted by the American Railway Association, in connection with an intensive campaign which that association is conducting in an effort to reduce the number of grade crossing accidents. There were 1500 contestants. First prize was \$500. —Photograms.

SUCCEEDING LENINE AS SOVIET HEAD



Rykov, new head of the Russian soviet, succeeding the late Nikolai Lenine, on the occasion when he was announced to the people as the new head of the Government by Sinowjev. Left to right: Rykov, Kamenev, Tomski, Commissar of the People; Bucharin, Sinowjev, president of the Communist International. —Wide World Photo.

EPINARD, CHAMPION FRENCH HORSE



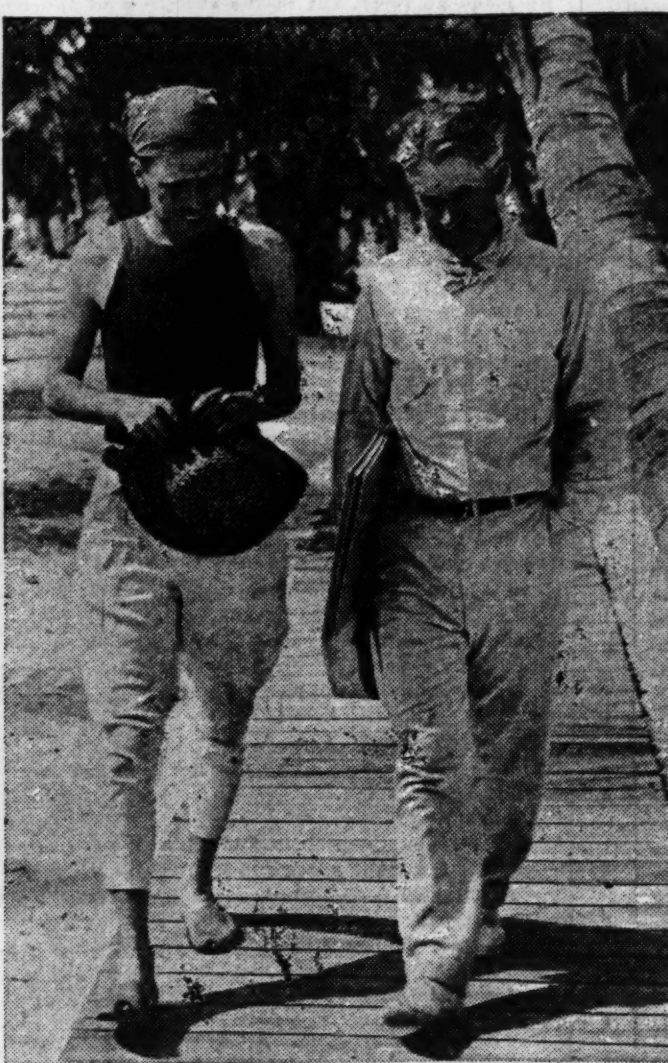
Pierre Wertheimer's great race horse, Epinard, will be seen on American tracks later this year. Leigh, the trainer, is an American who has been identified with foreign stables for almost 25 years. Jockey Haynes is shown here on Epinard, with Trainer Leigh at the left. —International Newsreel Photo.

THE NEW JERSEY TOWN WHICH IS 100 PER CENT JEWISH



Sixty miles south of Philadelphia, in New Jersey, lies the Township of Woodbine, said to be the only self-governing, hundred per cent Jewish community in the world. It was founded by Baron de Hirsch, and is unique in many ways. Photo shows a group of the Woodbine schoolgirls, with one lone boy, off for a day's hike. —P. & A. Photo.

WHEN THEY AREN'T WRITING THEY'RE FISHING



Van Campen Heilner, author of "Adventures in Angling," "The Call of the Surf," etc., left, and Zane Grey, famous for his "two-gun stuff," at their fishing camp at Long Key, Fla. —P. & A. Photo.



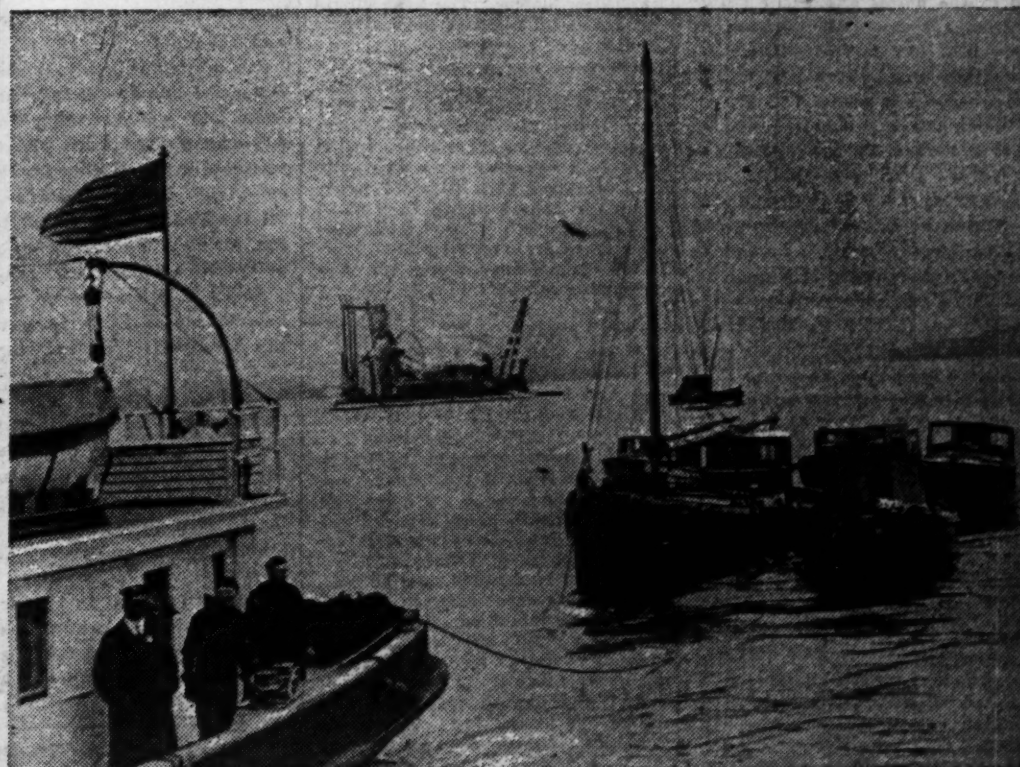
Mayor William Eisenberg of Woodbine, with his grandchild Corinne, a keen business man, a builder by trade, and the man mainly responsible for the rapid construction of the many homes and business buildings in the town. —P. & A. Photo.

MOON MAY NOT BE DEAD



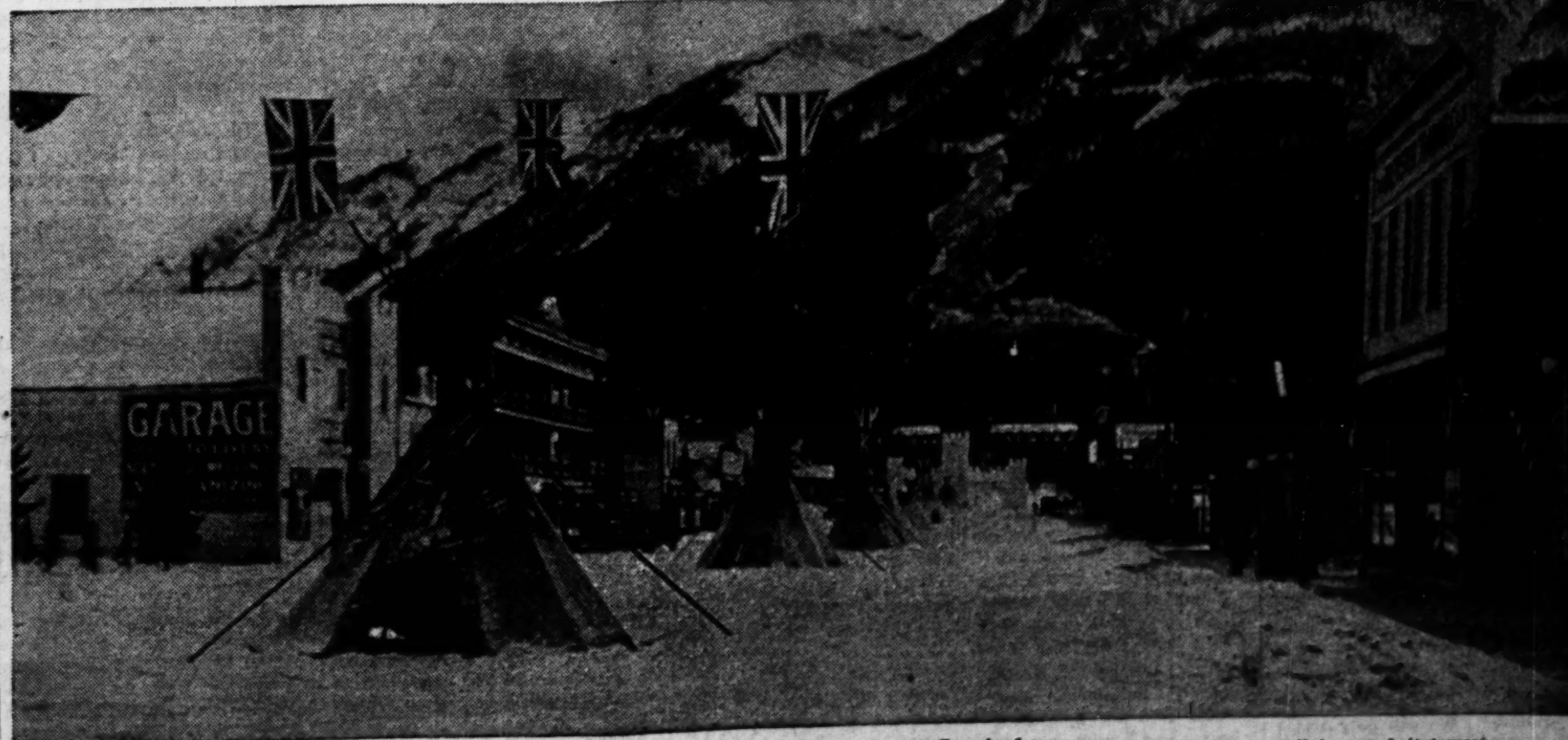
Prof. W. H. Pickering of Harvard University Observatory at Jamaica, who has now reaffirmed his former statement that there is still life on the moon. He claims there are patches on the lunar planet which constantly change color and density, giving rise to the belief of gases and shadows. —Keystone View Co.

THE SPOILS OF A RAID ON "RUM ROW"



Government officials guarding the section where prohibition law violators are wont to ply their trade near New York suddenly made a raid on "rum row," off the Atlantic highlands, capturing five rum runners and 14 prisoners. Photo shows the U. S. Coast Guard cutter Lexington coming in with her five captives. —International Newsreel Photo.

ANNUAL WINTER CARNIVAL HELD IN CANADIAN ROCKIES



Scene on the "Main street" of Banff, Alberta, during the February Winter Carnival. —P. & A. Photo.

FIRST PRINCIPLES IN COOKING

By Mrs. Christine Frederick

Household Efficiency Expert

SECRETS OF CAKE MAKING

THE first necessary step to successful cake baking is the grouping and organization, as it were, of both materials and needed utensils. The best cake can be spoiled if we have to stop in the middle of the beating and run to get the pan and take time to grease it. Read the recipe; gather together on your table flour, milk, eggs and other required ingredients; be sure you have assembled the mixer, beater, spoon, measuring cup, and the pan itself; and last that the pan be either oiled and floured if it is to be a layer or a small cup cake, or lined with parchment paper if large and made in loaf form.

Second, decide which classification your cake belongs to, for "all cakes may be divided into two parts," after the manner of ancient Gaul—(1) cakes without shortening, and (2) cakes with shortening. Each is made in quite a different manner, and once you have mastered the technique of a standard cake of either type, then dozens, yes, hundreds, of variations await your mixing spoon!

Third, do the preliminary steps required by your particular recipe, such as chopping the nuts, melting the chocolate, measuring and sifting the flour and all dry ingredients. With these details arranged for, start the real work of making a cake with shortening as follows: Separate eggs and beat separately; have ready flour and baking powder and dry spices sifted several times; start the work of "creaming" the butter or other shortening with the sugar, adding only a small amount of sugar at a time and keeping the mass light and fluffy and using either a wooden or metal perforated spoon. (A liquid shortening saves a great deal of time and can also be more accurately measured.) Next add yolks to butter-sugar, then flour alternately with milk or other liquid so that cold liquid will not congeal the fat, and last the beaten whites are folded in. If fruit or nuts are to be included, they should be added to the butter and sugar before the yolks, and add all flavoring the very last. By following these exact steps and every butter mixture cake is made.

When the mixture is combined (never beat after the whites are added, as this will lessen the sponginess), pour or push out with a spatula sufficient mass to cover the pan, having it thick enough to spread and making it higher on the edges and corners than in the center, so that when baked the cake will be level. For butter mixtures the oven must be hotter than for non-butter mixtures cakes, but it is the size that really determines the temperature—small and cup cakes cooking quickly at high heat, large and loaf cakes cooking more slowly and longer. Layer cakes should be baked at 375 degrees Fahrenheit, while a rich loaf cake is best at 350 degrees Fahrenheit.

Here is a standard two-layer recipe which may be varied by adding different flavoring, cocoa or chocolate, nuts, chopped citron and put together in layers or baked in a large pan or muffin tins:

Three-quarters cup butter or other shortening, one cup sugar, three eggs, one-half cup milk, one and three-quarters cups pastry flour, two teaspoonsful baking powder, one teaspoonful vanilla, one-eighth teaspoonful salt.

When we come to making the second, or butterless, cake, we proceed as follows: The yolks are beaten until thick and lemon colored; the sugar is slowly and thoroughly beat in; the flavoring is added; then half of the whites is folded into the yolks and sugar; then half of the flour, then half of the whites, and last the remaining flour. Stirring is always avoided. Cakes of this type are the familiar sponge, sunshine, angel cake, etc.

While this type of cake may seem simpler and does require less time, nevertheless it is a more difficult cake than one with shortening owing to the rapidity with which it is necessary to get the mixture into the pan and also the carelessness with the right temperature.

Indeed, perhaps the main secret of cake success lies in the baking and not in the mixing. The oven should be when the cake is first put in, at that temperature which will raise the cake to its full height in one-quarter the full time of baking. During this period the cake must not brown, but during the second quarter it may brown slightly and complete the browning during the third quarter. The heat should be gradually reduced the last half of the baking period.

On removing a cake from the oven let it stand a few minutes to contract and cool. Or if in a tube pan, invert the pan for the same purpose. Never ice a cake until it is cool. Preferably use a wire cake rack covered with paraffin paper for all icing and filling, then when chilled, carefully remove with wide spatula to ornamental plate.

Here is a master recipe for any butterless cake:

4 eggs, 1 cup sugar, Grated rind one-half lemon, 1 cup pastry flour, 1 tablespoonful lemon juice, 1 teaspoonful baking powder, One-fourth teaspoonful salt.

This may be varied by baking in one small loaf, in two square layers, or in cup shape. By icing with different flavors or in different colors, or by cutting in cubes and topping each with different colored icing, many variations can be had.

Twice this recipe makes a large round tube mold, particularly suitable for a child's party. Very dainty sponge or angel cake is made by using one-half teaspoon cream of tartar and by increasing the proportion of the same amount of flour and sugar. An average size sponge cake should rise to twice its bulk in a moderate oven of 350 degrees Fahrenheit.

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An Education That Counts

By William A. McKeever

Noted Lecturer and Authority on Educational and Sociological Subjects

HERE are some questions I would like to ask school superintendents.

What is your plan or program? What are you aiming at? What is your stated or implied central purpose of education?

If I, after 30 years as a teacher and faculty member, cannot discover any central scheme prompting your collective zeal and individual effort, how can you expect the busy layman to understand you?

What is your philosophy of education? What, chiefly, is training for? You are saying much about measurements but measurements for what? You are constantly asking the phrase "mental ability"; but ability to do what or to think what?

Even if one were building a house he would be guided by plans and specifications. Now, you are our acknowledged character builders on a country-wide scale. But what are your plans?

You have a big propaganda movement, a big political drive, to secure at Washington a Cabinet position for education. If you obtain the Cabinet place, what great fundamental educational movement will you support with it?

Is education merely "success" or doing away with illiteracy, or keeping the young all in school till graduated, or being classified by the mental measurements? Or is training the hand, the head and the heart to act in a combined life movement? Or, does it include in its harmonious effort the four great human enterprises of industry, leisure, social intercourse and religion?

What are the great, unchanging elemental human instincts and desires you would exploit through education? What are the salient features of the mighty highway of experience and practice over which all the young may be led toward the ultimate peace, progress and prosperity of the human family?

Select a committee of your acknowledged thinkers to work out this progressive and unifying plan of training the young. Give us an adaptable theory, a constructive philosophy of education. Let your entire membership contribute to the bringing out of this platform. Consult, before you finally adopt it, the busy masses and try to include their point of view and interests.

Now, come on with your clear cut, definite and unifying outline of what education must accomplish for all the young, and we will back you with enthusiasm.

Nancy Welford, actress, collects cast-off stockings which she cuts into narrow strips and weaves into rugs of brilliant colors.

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THE REVELATIONS OF A PAID COMPANION

By JANE PHELPS

Author of "My Husband and I," "A Wife's Story," etc.

CHAPTER XXII

MOLLIE MEETS WITH AN ACCIDENT

THAT night, shuddering as I thought of Mollie's tone when she asked if Guy were making love to me, I stiffened my determination never to accept any attention either from him or Barton Ellwood.

"They're only amusing themselves," I said aloud, "neither would ever think of marrying me—and I wouldn't have them if they did!" I added with a toss of my head.

I had all the young girl's usual romantic notions. Sometimes a great love would come to me, if it did not I never would marry. I had achieved what to me seemed a wonderful place in the world, that so short a time before had looked so hopeless to me. I was content to wait for what else might be in store for me.

My thoughts were rambling on, when Anna rushed in—"Mrs. Ellwood is worse. Come quick!"

I hurried to the invalid's room, feeling sure it had been Mollie's refusal to remain with her that had upset her mother. She lay gasping on her pillows, no whiter than her face.

I did what I could while Anna telephoned the doctor. Unfortunately both Mr. Ellwood and Guy were out. When the doctor arrived I was surprised to see him accompanied by a young man whom he introduced as his colleague, Doctor Millbank, explaining that he was obliged to be away for a time and that Doctor Millbank would have charge of his patients.

Unobserved I studied the younger man. He was perhaps 35, rather good-looking in a rugged, capable sort of a way. There was something in his face that gave one confidence. His manner bore out the impression.

They gave Mrs. Ellwood something to ease the pain, then withdrew to the other side of the room while the family physician explained her case to Doctor Millbank.

"Is there a nurse?" The latter asked, turning to me.

"No, Mrs. Ellwood objects to having one, and so far I have been able to do all that was necessary. I am her companion," I explained.

He made no reply, but in the sharpness of the look he bent upon me I felt he was probing my capability.

"I have thought it better to humor Mrs. Ellwood in this," the old doctor broke in. "Miss Hall is very competent, very devoted. Of course should it be necessary you will secure a nurse."

I sat with Mrs. Ellwood until her husband came in about midnight. She was sleeping then, and I left her with him. Guy returned just after his father, and he too stopped in the invalid's room, neither looking at nor speaking to me.

Mollie's door was ajar, and I glanced in as I passed. She had not returned. Sure she would wait me, I sat by the window in the dark, my thoughts busy. About 2 o'clock I heard a sound in the hall. I made no move, perhaps she would not require my services.

"Rita," it was a whisper, "are you asleep?"

"No."

"May I come in?"

I arose, switched on the light, and gasped in fright. Mollie was white as death, her beautiful dress frock torn into tatters, a streak of blood had dried on her cheek.

"What has happened?" I closed the door. "Are you hurt?"

"No—yes, a little." She swayed, then dropped into a chair.

I bathed her face, finding a bad bruise and a painful cut. Then I helped her undress. And although her breath told me she had been drinking, I did not hesitate when she asked me to go to the dining room and bring her some brandy.

After she drank it, she pulled herself together.

"Mum's the word, Rita. I'll have to stay in my room for a day or two, or find some way to account for this." She touched her face glacially.

"What happened?"

"We had a spill. Larry's new roadster is in splinters. Ran into a truck."

"Is Larry hurt?"

"Not badly—we fared about alike. It was one glorious ride until the smash. I guess it was worth it."

She let me help her into bed, and until she slept I put ice compresses on her face.

What a child she was, I thought as I looked down at her, asleep. I visualized the wild ride, the smash—she had said it was worth it. Like her father, I feared she would one day be brought home either a broken thing or dead.

Continued Monday.

Irony and Pity



LIFE needs both Irony and Pity, says Anatole France, who is a pretty good philosopher. Irony brings the smile—the gentle smile of wisdom. Pity brings the tears that help console. We need both, says Anatole France, to give life beauty. Or you might like to call them humor and sympathy—humor that grows old enough to know that we can't be playing with dolls all the time and yet

that things are so, and think they are; sympathy that is always anxious to be sorry whether it understands or not. Each has its own magic. Each has its own power. Each has its own magic. Each has its own power. Each has its own magic. Each has its own power.

ROYAL S. COPELAND M.D.
YOUR HEALTH
UNITED STATES SENATOR FROM NEW YORK
PHYSICIAN IN CHARGE OF HEALTH, NEW YORK CITY

MUCH more frequently than is commonly known, the stomach becomes ulcerated. It may be said that some cases are no more significant than canker sores in the mouth. After all, however, if the health is vigorous and the tissues of the stomach are firm and normal, there is no likelihood of ulceration, or more serious disturbance.

The stomach is a peculiarly shaped organ, lying across the body, with the more prominent part to the left side. It tapers off at the outlet, on the right, where the contents pass into the beginning of the intestine, a part called the "duodenum."

The walls of the stomach are made up of muscular tissue. The muscle fibers run in different directions, making several thin layers. The inner lining of the stomach is mucous membrane, a thick layer.

When an ulcer forms, it rarely extends into the walls of the stomach, any deeper than the muscular layers. Of course, when it bores its way entirely through the stomach wall, producing a perforation, it has caused a very dangerous condition.

There are certain signs which give rise to the suspicion that ulcer is present. Dyspepsia is the common symptom. It may be very slight, but usually sickness at the stomach and vomiting are observed.

The period of time after eating gives a hint of where the ulcer is located. If it is in the great place, near the outlet of the stomach, the pain and vomiting occur two or three hours after taking the food.

Pain is characteristic of ulcer. There are several different types of pain. It may be a burning sensation merely, or it may be a gnawing, aching, nagging pain. Sometimes the discomfort is worse when the stomach is empty. Often times there is no pain except after eating.

Pressure over the stomach may relieve the discomfort, but usually there is tenderness on deep pressure.

If the trouble continues for a long time, there is sure to be loss of weight. It is difficult to tell whether the ulcer causes the ill health, or whether ill health is responsible for the breakdown of the stomach lining. In any event, ulceration in one of the accompaniments of ulcer of the stomach.

Of course, there are many factors entering into the production of ulcer. I am firmly of the opinion that neglect of the intestinal tract has much to do with those conditions of the stomach which lead to ulceration.

Fermentation in the bowel and the acidity which results are factors of importance. Chronic constipation should not be neglected. The things which lead to constipation are capable of causing congestion of the stomach and excessive acidity of its contents. Forewarners of trouble.

Sometimes I think it serves folks right if they get stomach ulcers. Their lack of decent eating and decent amount of labor and decent hours of sleep are responsible for run-down health, which prepared the way for stomach trouble.

Prevention is better than cure, but if ulceration actually occurs, it may be overcome in most instances by care and good treatment. Some times operation is required, but first you will see what rest in bed, fresh air, well-regulated diet and medication will do.

I wish I could impress on every young person how essential it is to build up a strong, vigorous body. Ulcer of the stomach, like most other diseases, is merely the result of neglect and abuse of the body. Good, simple food, lots of water to drink, fresh air, sleep and mental happiness are preventives of ulcer of the stomach and all other ailments.

Philosophical Phrasings

One stroke falls not an oak.

While the shoe is on thy foot tread upon the thorn.

The beginning of all things are small.

Those who grieve least make the most lamentations.

Prize the years of old but make the most of our own.

The law will sooner tolerate a private injury than a public evil.

Gambling is but one remove from theft, and both are the spring of covetousness.

An oath is not needed by a good man, nor will it prevent the bad man from perjury himself.

For what thou canst do thyself rely not on another.

He who is shared by words has no heart for deeds.

The fittest place where man can die is where he dies for man.

WHAT SHOULD YOU DO?
By Dr. Charles Temple Mann

One Goes Sleighting in the Tropics.

One goes sleighting in the tropics where no snow ever falls in an experience which can happen only in Madeira, the Portuguese island in the Atlantic Ocean, some hundred miles from the coast of the Mediterranean.

Every one is delighted with the balmy, velvet climate, the air is so pure, the sea is so blue, and a quaint town, Funchal, is perched on the edge of a precipitous cliff.

Then you go ashore in Funchal, and you are met by a crowd of people, and you are taken to a hotel, and you are told that the horses died of the disease.

Then you are told that the horses died of the disease, and you are told that the horses died of the disease, and you are told that the horses died of the disease.

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THE RHYMING OPTIMIST

By Aline Michaelis

THE CANDIDATE

HAVE you any cares or worries, do you often stew and fret over wild financial flurries, do you sometimes run in debt? Is the earth a bit unsteady? Does it wobble on its way? Well, the candidate is ready; wait until he's had his say! This the year he's here, to tell us what to do in any case; we will find him ever ready, glad to help the human race. There's no use in hesitating, he can show us what to do; others may stand idly waiting, he alone can pull us through! There's a cure for every trouble, there's relief from every woe; all our incomes we can double, as the candidate will show. There's no need for pain or hunger, want or worry in our land, and we'll all grow 10 years younger, once we get the upper hand. Candidates have come before him, making promises as rash; but, he says, their records bore him and they're let things go to smash. He can put the world together, he can start the world anew, he can give us sunny weather, make each morning bright and blue. It would be an awful pity not to grab him while we can; he's so wise and yet so funny, love the kiddies, too, good man! If we'll only vote his ticket all our griefs shall pass away, and as merry as the children we shall be, the live-long day. Will it all come true, we wonder? We can only watch and wait, trusting to the worthy thruster of our favored candidate!

WINIFRED BLACK TALKS ABOUT Little Girls and Dolls

"PEOPLE pay more money to have old dolls repaired than they would cost to buy a new one"—that's what the doll doctor says—and the doll doctor really ought to know.

Hurray for him and the good news. What in the world would we do without the children to keep us believing in everything that's best in human nature?

What kind of doll did you love best when you were little and believed everything everybody told you and thought that the fairies danced every night under the old oak tree and knew just exactly what you were going to do the fairy god-mother when she whisked down the chimney and stood in the room, red cloak, peaked cap, and all?

Let's see—there was Araminta—she was blonde and had real curls and a blue satin dress and a little blue silk fan with silver spangles on it.

Pretty thing, Araminta—but somehow I never cared very much for her—really.

I liked Rose Margaret very much better.

What a Joy She Was! Rose Margaret was wax, too, and she wore her hair in a braid and her frock was blue and white gingham trimmed with something we used to call ratchet.

You could take off the gingham frock and wash it in your new little wash tub and hang it on a little line and pin it with your new little clothes pins; you could iron it on your tiny ironing board and take Rose Margaret out of her crib and dress her all at once and span and fresh as a pink and there she was all ready to be hugged and loved and stood in the corner and punished and sent to school with her school books tied to her arm—Oh, yes, Rose Margaret was very satisfactory as a child.

A Multiplicity of Roles. But better than Rose Margaret I liked Ellen. She was made of china and she had short black china hair curled in lovely china waves and a rosy cheek and big blue eyes. She was chubby and surprised looking and you could wash her face and hands a dozen

times a day and she would have just the same complexion as she had had when you began—only cleaner.

And nothing was ever the matter with Ellen, not even if she fell out of the apple tree when you forgot and left her there with the red fairy book and the wind came up in the night.

Best of all, I loved—my darling wooden doll. For years she was my constant companion.

Some days she was a new-born baby, very troublesome and of a most delicate constitution. The medicine I brewed for that doll out of currants and raspberries—and the wet bandages I put around her head—she certainly was hard to rear. Some days she was a little girl about five down with the measles and whooping cough and scarlet fever, all at once—dear me, how dramatic it was—and then again she was a beautiful girl graduate, all dressed in white muslin and flounces and wearing a wreath of real roses. And all the time what do you think she was—just a plain stick of wood from the kitchen woodbox!

That's why I liked her. The other dolls were always the same, but Woodbine could be changed from one thing to another just by a twist of the mind.

Yes, I loved Woodbine best of all and nobody could ever understand it—Woodbine went with me on all my journeys—she passed a winter in Washington and spent a lovely summer at the Atlantic seaboard.

She went up to Wisconsin to the lakes to get a change of climate and on cold winter mornings I tucked her snugly in bed when I went to school. But the other dolls, all in their gorgeous array with their set painted faces—I left them wherever they happened to be and never gave them another thought.

For Woodbine was really mine—I knew exactly how she looked and what she felt, and nobody else could ever know a thing about it. Sometimes when I see a man married to rather a stupid little woman and very much in love with her when he could have married somebody rather pretty and more than rather intelligent, I think of Woodbine—and partially understand.

The most human thing about dolls, after all, is the people who own them.

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Who's T...

By POPPINI

Canned Corn, Cereal, Walnuts, Coffee, etc.

Brown to Boiled, Baking, Mashed, Apple and Cranberry, Coffee, etc.

Toasted Fruit, Cake, Coffee, etc.

Use 25 steak grove up very fine, a little larger per to roll, do not but, rots cut u, bottom of your meat, can of the paper and Add a B, Add about put into two hours of an no have ready for French up on en and all p, fd on unit, serve very.

CU Boil six Cool, she lengthwise, large can, small cup, in a stew, heaping, tablespoons, ful of cu, and a te, sugar, a, hot, thick, stir const, Then rem, fire and, hot ereaf, of it. L, and turn.

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DRAWN BY
POPINIWhat to Serve
: Tomorrow :

Breakfast.
Canned peaches,
Cereal,
Waffles,
Coffee, cocoa, milk.

Dinner.
Brown fricassee of chicken,
Boiled rice,
Baking powder biscuit,
Mashed potatoes,
Apple and celery salad,
Cranberry-raisin pie,
Coffee, tea, milk.

Tea.
Toasted cheese sandwiches,
Fruit salad,
Cake,
Coffee, tea, milk.

GERMAN STEW.

Use 25 cents worth of round steak ground; use two onions cut up very fine. Put in skillet with a little lard to fry. Salt and pepper to suit and let fry brown, but do not burn. Use two small carrots cut up in cubes. Put this in bottom of baking dish, then add your meat and onions and add one can of tomatoes. Then salt and pepper again, but not too much. Add a little paprika if desired. Add about one cup of water. Then put into oven to bake for about two hours. About three-quarters of an hour before time to serve have ready four potatoes cut like French fries (lengthwise). Stick up on end all through the meat and all put back in oven and put lid on until potatoes are baked and serve very hot.

CURRIED EGGS.

Boil six eggs until they are hard. Cool, shell and cut them in half, lengthwise. Open and strain a large can of tomatoes, add to it a small cupful of water and heat it in a stew pan. Mix to a paste a heaping tablespoonful of flour, a tablespoonful of butter, a teaspoonful of curry powder, pepper, salt and a teaspoonful of powdered sugar. When the tomato juice is hot, thicken it with the paste and stir constantly until it is smooth. Then remove the mixture from the fire and pour in it a half-cupful of hot cream that has had a saltspoonful of bicarbonate of soda added to it. Lay the eggs in a hot dish and turn the hot curry over them.

SAYINGS OF MRS. SOLOMON

By HELEN ROWLAND

NOW, my Daughter, it came to pass that four Wise Men were gathered together, that they might proclaim the Greatest Invention of Man.

And the first Wise Man spoke, saying: "Behold the airplane and the submarine! Are not these the most prodigious of all human inventions? For with them, men may fly through the air and sail under the water—and thus keep the world safe for democracy!"

But the second Wise Man galsaid him, answering: "Nay, verily. The most wondrous of all man's achievements are the printing press and the wireless and the radio. For with these, men may blazon their thoughts over all the earth—and thus make the world safe for science and culture and literature!"

And the third Wise Man protested, saying: "Go to! Ye have both spoken foolishly. For the gas range and the electric grill are the mightiest of all new things; since with these men may satisfy their stomachs and guard their digestions—and thus make the world safe for Good Cooking!"

But the fourth Wise Man lifted up his hands and mocked them, saying:

"Be still, oh, ye Simple Ones! The world hath existed, and men have lived thereon and been happy, without democracy and without culture; yea, and even without cooking!"

"But when have men lived without LOVE?"

"Therefore, cease from these idle quibblings, I adjure you.

"For the most wonderful and stupendous of all inventions is that which hath changed the face of man from the face of a savage into a thing of beauty.

"Yea, and that which hath transformed woman from a household utility into a thing of ornament and loveliness.

"For these have converted kissing from an instinct into a fine art and turned marriage from a dispensation into a delight.

"They are the Symbol of Evolution and the source of all civilization.

"They are a shining light in a world of disillusionment—a comfort in a world of discomfort!

"Behold, they have glorified the lives of men and gladdened the hearts of women.

"And without them, all love would be but boredom, all courtship but a weariness, and all life as a Sunday afternoon on Main Street!"

"Yea, verily, verily, the greatest of all inventions are the SAFETY RAZOR, and the POWDER PUFF and the CURLING TONGS—which have made the world safe for Romance!"

SELAH!

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Home-Making Helps

"Everything About the House Helps to Make the Home"

By WANDA BARTON

THOSE who are going to build homes in the spring should be busy now getting all the suggestions possible. Architects are apt to overlook so many little things that wise searchers for homes keep a notebook of their discoveries before deciding definitely upon any one blueprint.

Woodwork is a point that should be most carefully considered. Gone are the good old days when the most desirable woods were fairly reasonable in price and labor was not high. Of course, houses are smaller than they were in the days when it cost less to build, and the bungalow is a popular type of modern home. This type of house has much to recommend it. There are no stairs to climb except those to an attic storeroom or servants' quarter if the builder is wise. But the woodwork through the entire bungalow must be of uniformly good quality, since all the rooms adjoin.

One form of economy is to cover the entire floor with seasoned pine and paint each room in the colors liked. The floors should match the woodwork of each room and should be treated to a wood-filler varnish and liquid wax finish. If preferred, a prettily grained hardwood can be used. This requires merely an oiling and waxing for interior finishing is the reliable oak, though its pronounced color and marking make it necessary to use a stain before polishing the surface. Pale gray or sand are the most popular colors at present. Ash is particularly attractive in the narrow boards for floors. After being wood-filled, varnished, rubbed down and prepared for the finishing coat, the floor is rubbed down again and oil-waxed. It then looks like a piece of watered ribbon. The wood grows darker with use and wears most satisfactorily. Chestnut makes an attractive finish if it is carefully stained a nut-brown. The golden lights bring out the grain of the wood. It is wise to study all woods with an expert before making a final decision.

The broad, covered porch is a wise consideration for it adds roominess to the house. Glass in a certain portion on the sunny side so that it can be used during the winter for a sun-parlor, breakfast room, play room or den. The porch should not be so wide on the sunny side that it will keep the sun from shining into the rooms during the cold season. The house needs the sun and so do the family.

Apple wood makes the prettiest door-knobs. Only the best quality of hardware should be considered. Cheap hardware spoils an otherwise attractive house.

The half-door has many advantages, one being freedom of ventilation.

ADVERTISEMENT

Have Good Hair
And Clean Scalp
Cuticura
Soap and Ointment
Work Wonders
Try Our New Shaving Stick.

Walter Baker & Co. Ltd.
Established 1780
Mills at Dorchester, Mass.
and Montreal, Canada
BOOKLET OF CHOICE RECIPES SENT FREE

HOUSEHOLD HINTS

When boiled frosting will not harden quickly, heat your gas oven, turn off the gas, and the even warmth will be just right for drying moist frosting.

If either stove or shoe blacking becomes hard, add turpentine. This will not only soften it, but it will be more durable and glossy, and will also prevent rust on stove.

To remove scorched places, wet with white cloth in peroxide and lay it on the scorched place, and press it with a hot iron.

Paraffin poured down the drain will often clear a cullery sink that is stopped up. After some time a large jug of boiling water, in which a handful of soda has been dissolved, should be poured down the sink.

Mint sauce made by pounding the mint and sugar in a mortar is at least twice as nice as that made by chopping the mint.

Corduroy in Decoration

A FRESH innovation in the line of decoration is the use of corduroy for draperies and upholstery. Of course, it has been done before, but it has not come into such general use as it now is. An apartment recently seen was refreshing in its unusual use of this homely fabric. There had been all sorts of furniture in the place, strangely carved chairs, hideously upholstered sofas and even those wiggy gilt affairs supposed to be sat upon. Each and every one was uniformly clothed in a simple corduroy of rich black or deep blue which hid their deformities. On the sofas were odd three-cornered cushions of many bright colored corduroys, and long window drapes of brilliant blue in the same material completed the effect.

The only design in the room was centered on the floor, where a lovely Turkish carpet gave the look of luxury and warmth to the room.

HAM ESCALOP.

Put cooked left-over ham through the food chopper, then measure it. Mix with it an equal amount of fine bread crumbs. Season the mixture with salt and pepper; add a little butter and enough milk to moisten. Fill buttered ramekins full with this, then break an egg into each ramekin. Bake eight minutes in a hot oven and serve at once.

Children's Bedtime Story

By Thornton W. Burgess

Peter Cannot Find Mrs. Peter

Worry comes 'tis very clear,
Not from facts, but what we fear.
—Peter Rabbit.

Reddy Fox was so angry over the trick Peter Rabbit had played on him that he actually tried to follow Peter into the dear old Briar Patch. But he soon gave that up. Peter had his own private little paths along which he could hop without the least difficulty. But Reddy was so big that he had to force his way through the brambles, and the brambles tore his coat and scratched him until at last he was only too glad to give up. So, snarling and muttering ugly things, he finally left the dear old Briar Patch. Peter rested for a while. Then it struck him as rather queer that he had seen nothing of little Mrs. Peter. Perhaps she had been so frightened by Reddy Fox that she was hiding somewhere. Peter started out to look for her. He went straight to her favorite place. She wasn't there. He went to another place where she often sat. She wasn't there.

"This is queer," thought Peter. Then he carefully searched the whole of the dear old Briar Patch. He hopped along every one of their private little paths. He looked into every hiding place. Not a sign of little Mrs. Peter could he find. It was hard to believe, but at last he had to believe that little Mrs. Peter was not in the dear old Briar Patch.

Now, Peter had been so well fed when he had been a prisoner up in Farmer Brown's barn that he had quite forgotten how hard it was to get enough to eat in the dear old Briar Patch. He remembered it now.

"It must be that fuzzy" (for that is what he always calls her, because her name was Miss Fuzzy tail, before she became Mrs. Peter), before she became Mrs. Peter.



Then he searched the whole of the dear old Briar Patch.

ter) "has been driven by hunger to leave the dear old Briar Patch," thought he. "I wonder where she has gone? She may have gone up to the Old Pasture. She may have gone over to the Green Forest. Oh, dear, I wish I knew which way she has gone! She so seldom leaves the dear old Briar Patch that I am afraid something will happen to her. She had no business to leave it, even if she was angry. She ought to have known better. She might have known how worried I would be."

How that would have tickled little Mrs. Peter if she could have heard it. Time and time and time again she had pleaded with Peter to stay in the dear old Briar Patch and Peter had laughed at her. Time and time and time again she had worried because Peter did not return. Now Peter was learning how little Mrs. Peter felt.

My, how lonesome the dear old Briar Patch seemed. Peter tried to take a nap and forget it. But he was too uneasy to sleep. He kept hopping around through

those private little paths all through the dear old Briar Patch, hoping and hoping that unexpectedly little Mrs. Peter would pop up from somewhere. But Mrs. Peter didn't pop up. Peter imagined all kinds of dreadful things. He remembered how it was from around the end of the dear old Briar Patch that Reddy Fox had appeared. Could it be that Reddy had caught Mrs. Peter?

(Copyright, 1924.)

SAVORY FISH DISH.

This dish calls for two cupfuls of flaked, gold-buffed fish—any white fish may be used. Add to the fish pepper, salt, a grated onion, a cupful of milk and a small cupful of cream. Boil and dice two small cucumbers. Plunge them in boiling water for 10 minutes and drain. Add the cucumbers and a minced pepper to the fish mixture. Butter a baking-dish and put in a layer of the mixture. Then add a layer of fine crumbs, another of the fish and so on until all is used. Leave a thin layer of the fish on top. Dust the fish with pepper, salt and a few grains of sugar, dot it with butter and add a little grated cheese. Bake the dish for about a half hour in a medium oven. This is an excellent luncheon dish.



For Colds Headache
Neuralgia Rheumatism
Lumbago Pain, Pain

Accept only "Bayer" package
which contains proven directions

"POPULAR"

Pertaining to the people at large; widely trusted or admired; prevalent among the people.—Standard Dictionary.

In every city in America there is one newspaper that is universally recognized as the most popular "want ad" medium. That distinction is the most envied that can come to any great newspaper, because it is the favorable verdict of all of the people, rendered only for faithful service to readers and profitable results to advertisers.

Supremacy in the "want ad" field in any city is a priceless possession of that distinguished newspaper which has earned it. It must be secured through years of satisfactory results to the advertiser—satisfactory service to the reader. It cannot be obtained through schemes of inflation or even the absolutely free insertion of advertisements. It must be built by service and protected by the rejection of the unworthy or the misleading advertisement.

In 1923 the Post-Dispatch Carried

4,807,880 Lines

of Real Estate and Want Advertising

The Post-Dispatch Gained \$19,999
Lines of Real Estate and Want Ad-
vertising in 1923 Over 1922, Which
Made Last Year the Greatest Year
the Post-Dispatch Has Ever Record-
ed in Real Estate and Want Ad-
vertising.

This was 855,080 lines more than the combined
volume of Real Estate and Want Ads published in 1923
by BOTH the Globe-Democrat and The Star.

Real Estate and Want advertisers in St. Louis
have learned that results—plus economy—can be ob-
tained through concentration in St. Louis' ONE BIG
"Want" Directory—the Post-Dispatch.

ST. LOUIS POST-DISPATCH
THE PERFECT MARKET-PLACE

For Economy—Plus Results—CONCENTRATE
Your Advertising in the Post-Dispatch

EALTH

UNITED STATES SENATOR
FROM NEW YORK
DR. OF HEALTH, NEW YORK CITY

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By Dr. Charlotte

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Three Minute Journeys

Temple Manning

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The Man on the Sandbox



TEX RICKARD TO FIRPO.
MADE you what you are today.
But you're not satisfied: You want a million bucks per fray And picture rights beside.
When I took you, you were so crude,
No one of you had heard,
And now you show your gratitude By giving me the bird.

Even at their best old Honus' and Spink was never a thing of beauty nor a joy forever.
JOPLIN.
WOULD not live in Joplin, Mo. I'd rather live in Akron, O. Where I could stretch a rubber plant into the biggest firm extant.

TOO TRUE.

John McGraw started in life as a train butcher. But he didn't make a killing until he got into baseball.

Good morning, has your name been mentioned in connection with the oil scandal? If not pass out quietly to the right. The attendant will hand you a harp as you pass out.

The fact that it takes a week to get the vote of the back counties is another argument in favor of good roads.

No matter what food experts may say a good honest open faced pie has nothing to conceal.

Furthermore pie has millions of friends from whom a knock at their favorite breakfast food will bring forth many a tart reply.

SPOKEN LIKE A MAN.
YOU may shut off our whisky, our wine and our beer, But we'll fight for our pie every day in the year.

The man on the sandbox says the boulevard stop law means nothing for bum legs.

THE MISSING HEIR.
The barber who recently fell heir to \$75,000,000 can now open a shavings account in the bank.

QUITE SO.
I'd rather be a natator And have my picture took, Than be a Spanish matador And maybe get the hook.

HE DOES.
The man on the sandbox says a football coach puts in many week ends trying to strengthen weak backs.

In spite of a three-year contract, Eddie Roush is not the genius we think he is if he can't find something to hold out about.

Mr. and Mrs. Shocker got an early start this year. They are looking forward to a banner season.

Hans Wagner at the age of 50 says if his legs had kept pace with his batting eye he would still be in the big ring. Spectacles can do nothing for bum legs.

EVERY DAY MOVIES



Mae: "What wonderful color Mabel has—wonder if she paints?"
Tom: "Don't know about painting, but she draws well."

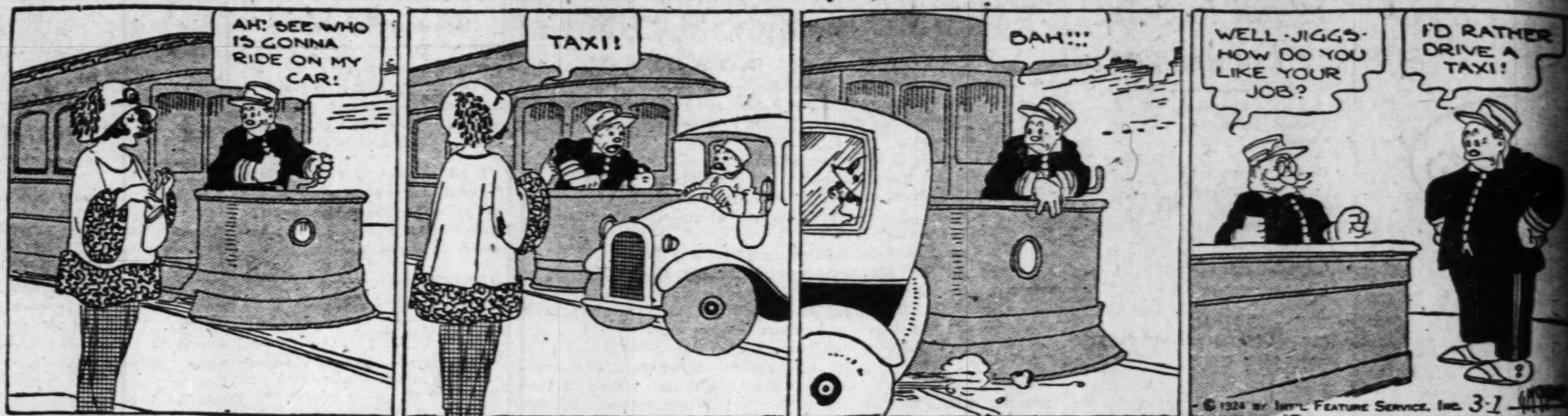
FAVORITE STORIES

By Irvin S. Cobb.

REVISING THE RULES TO SUIT.

MAYBE it is because his name so definitely is associated with the poem "Casey at the Bat," but anyhow, DeWolf Hopper specializes in baseball stories. Here is one he told at a banquet not so very long ago:
He said that two semi-professional teams were playing for a county championship. This was to be the deciding game of the match. Naturally rivalry ran high and so did excitement, and a large crowd gathered. But the individual agreed upon as umpire failed to appear at the hour appointed for beginning. In this emergency the two managers conferred. It was difficult to find an agreeable substitute because practically every able-bodied male present was a violent partisan of one club or the other. But there chanced to be one stranger on hand; presumably he would be unbiased. The managers approached him. They appealed to his sportsman-like instincts to help them out of the predicament. At once he volunteered his services. So delighted was everybody that nobody thought to inquire whether the obliging gentleman had a thorough knowledge of the rules of the game. He squatted behind the catcher in the approved posture and gave the signal to start.
Almost immediately the side at the bat began to hammer at the offerings of the opposing pitcher. The first man up beat out an infield bunt. The second man advanced him with a neat bunt. The third player was safe at first on a fumble by the short-stop.
With the bases full and with a renowned slugger of the opposition team coming up, the pitcher lost control altogether. He tried to curve 'em over the plate but one after another they went so wild that the catcher barely could slap them down.
"One ball!" chanted the umpire.
"Two balls!"
"Three balls!"
"Four balls—you're out!"
"What!" shouted the outraged batsman. "What's the reason I'm out?"
The umpire waved his arm toward the three sacks, each marked by a hovering runner:
"You just naturally have to be out," he explained. "Don't you see I ain't got no place to put you?"
Copyright, 1934.

BRINGING UP FATHER—By GEORGE McMANUS

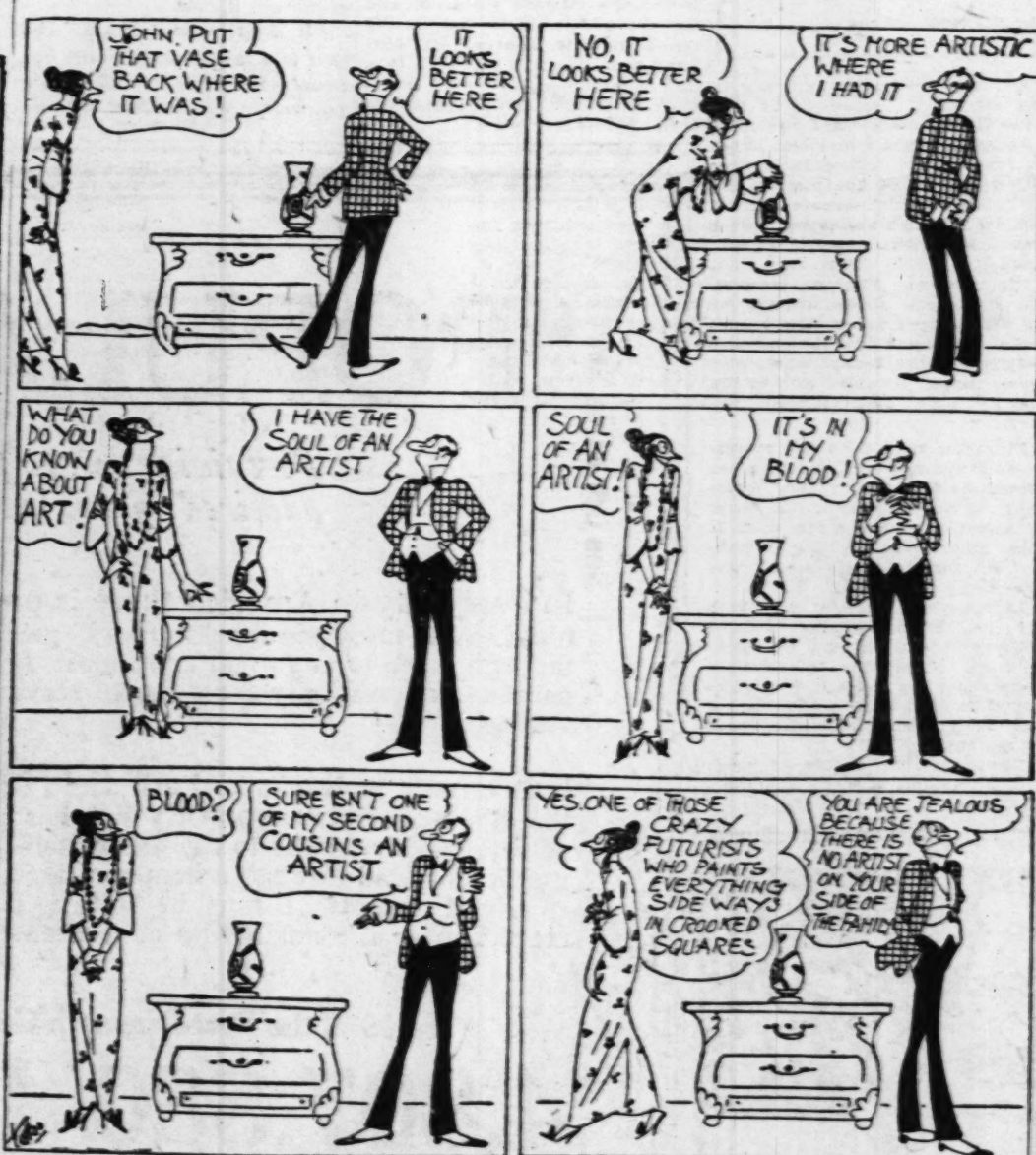


LIFE'S LITTLE JOKES—NUMBER 39,856—By RUBE GOLDBERG



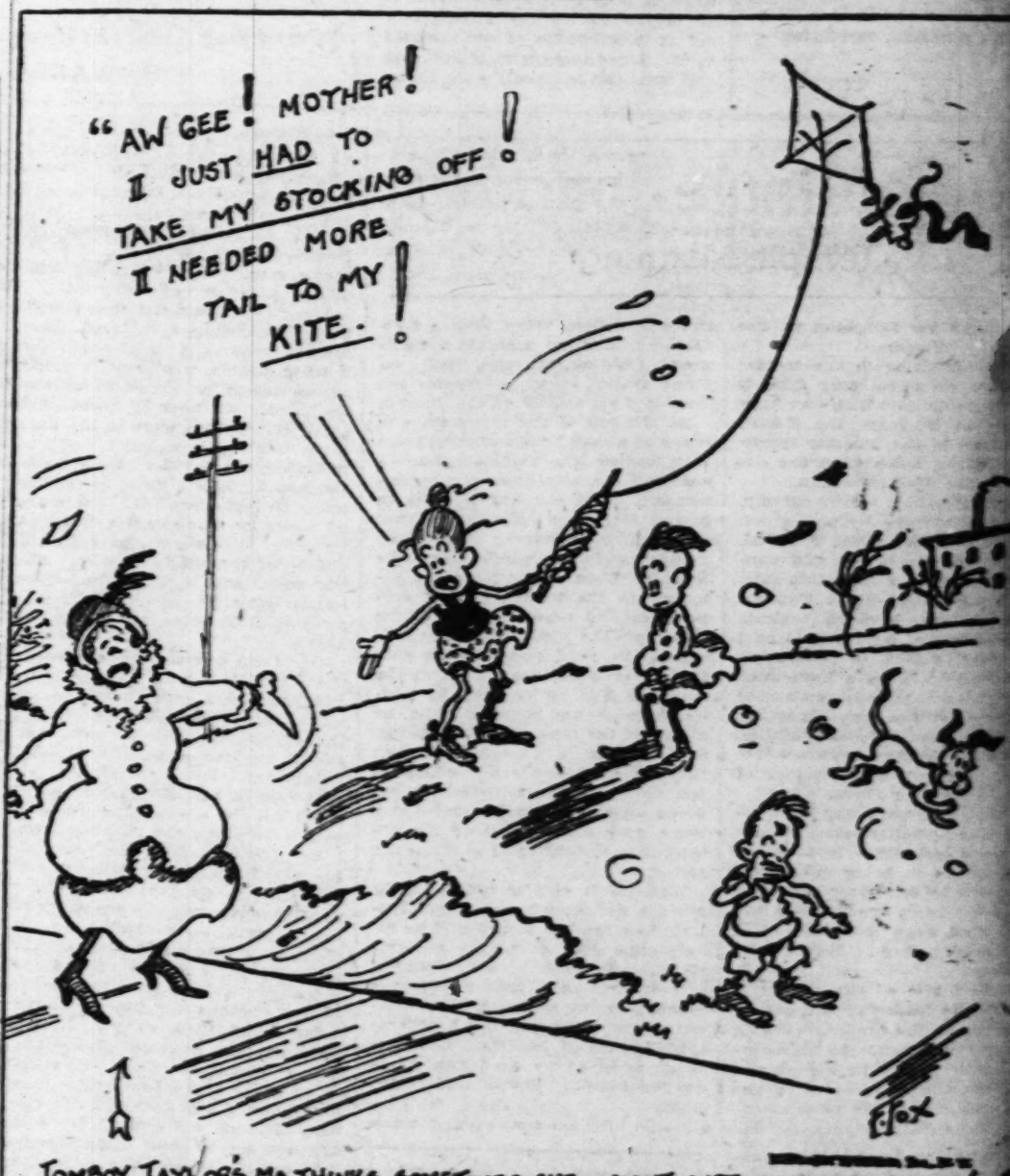
CAN YOU BEAT IT?—By MAURICE KETTEN

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TOMBOY TAYLOR—By FONTAINE FOX

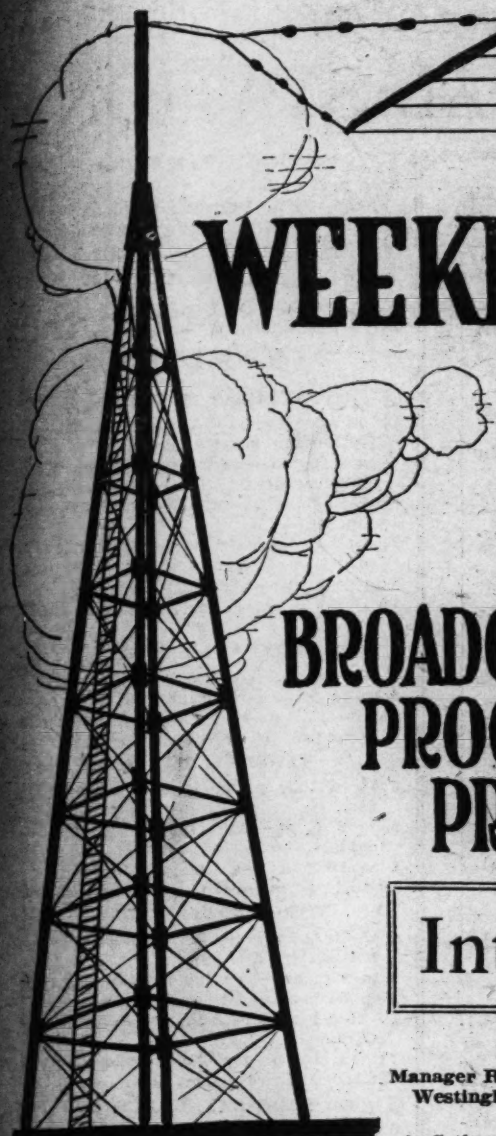
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MUTT AND JEFF—JEFF'S IN CHRIS COLUMBUS' CLASS NOW—HE DISCOVERS SOMETHING—By BUD FISHER

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ST. LOUIS POST-DISPATCH

WEEKLY RADIO GUIDE

BROADCASTING PROGRAMS OF PRINCIPAL STATIONS

SECTION of the ST. LOUIS POST-DISPATCH
SATURDAY, MARCH 1, 1924.

Interference From Radio Receivers

By I. W. CHUBB,
Manager Radio Engineering Department,
Westinghouse Electric and Manu-
facturing Co.

AS the number of broadcast listeners increase, it is becoming more difficult to get clear, uninterrupted reception of the radio programs in the congested districts of our cities. This is true in spite of the better and more powerful stations which transmit for our entertainment.

One of the greatest causes of the interference is the misuse of regenerative receivers. The newspapers today are condemning the regenerative receiver and advocating its elimination because of the interference that it creates. Conclusions have been drawn too hastily and my purpose is to show that in most cases the trouble is with the operator rather than with the regenerative receiver.

When tuned to a distant signal, most of you have noted loud or feeble whistling noises which change rapidly or slowly up or down in pitch or continue to blast a steady note. You have also noticed, if you use a regenerative set, that when tuning your receiver, with the regeneration or tickler too high, that similar and stronger noises are produced when the instrument is being tuned. These noises are beat notes, commonly called "birdies." They are the audible frequency difference between the inaudible high frequency wave transmitted from the broadcasting station and the inaudible high frequency current of your oscillating detector tube.

You will hear this whistle and as you change your tuning, the local oscillation frequency will change and the difference or beat frequency will go up or down in pitch. At a central point where the two frequencies are equal there is a quiet place called the "zero beat" on either side of which the beat note produced goes up in pitch until it can't be heard.

The regenerated detector tube in the reception of broadcasting gives an amplification equal to between two and three separate stages of radio frequency amplification and is, therefore, the most simple and economical method of receiving. Like all good things, it has its abuses. In congested districts the music and speech from a broadcasting station is often distorted and rough, and the already mentioned beat note noises spoil the enjoyment when signals are tuned in by using the receiver in the oscillating condition or listening in zero beat, riding the wave, as it is called.

Disturbances of this kind are entirely unnecessary and it is hoped that they can be eliminated by a system of education on methods of receiving and by co-operation with your neighbor. Our experience has shown that many listeners do not know that the squeals which they produce in tuning their receivers are heard by others, and many do not know that the many noises which they hear are from receivers in the neighborhood. Such disturbances are then the result of ignorance rather than indifference. Everyone wants to be a good neighbor. If his birdies disturb others he should be

told about it and told how to operate his receiver without producing them.

All tuned antennae radiate to a certain degree but radiation below the point of oscillation follows the variations of the incoming signal and causes no noise or distortion. Above the point of oscillation, however, the receiver gives an independent and sustained radiation which is dependent upon the tuning of the antenna circuit and which causes the disturbing noises.

The instruments which radiate are the regenerative receivers without radio frequency tubes in front of the detector. There are several types and many regenerative hookups which when improperly used give the trouble. The most common are the single circuit and various types of coupled, double and so-called three-circuit tuners.

The worst offenders are the coupled circuit sets, especially the one-tube and homemade variety. When the two circuits are out of tune the radiation from such a receiver is not as strong as that from the single circuit. However, the trouble is more persistent, for it is almost universally used in the oscillating condition while hunting signals. Only the expert can handle such a receiver properly and unfortunately this type is prevalent in greatest numbers in congested districts, where the added selectivity is desirable. With the circuits out of tune the radiation is weak in the antenna circuit, but before the desired station is tuned in by repeated trial adjustments, many more squeals have been emitted than with the single circuit even when improperly used. Noises are also made with the double circuit receiver when leaving a tuning position, unless the regeneration is lowered first. If the first move is made by changing the tuning of either circuit, the tube will start to oscillate, due to the decreased absorption of the antenna circuit.

The homemade set is a great trouble maker because the assembly of parts unsuited to each other results in unstable operations, howling due to blocking of tubes, and irregular and popping oscillation. To get good results, everything should work together. The oscillation should start quietly when regeneration is increased and should stop immediately with decrease in regeneration. If the oscillation once started drags back, it is a sign that the grid leak, bias voltage or plate voltage is incorrect. Such a receiver cannot be used for sensitive reception just below oscillation for static or the adjustment of nearby receivers will start it oscillating, thus causing interference.

In a well-designed receiver, oscillation will start at substantially the same adjustment independent of the position of the tuning adjustment. This is an important feature, as otherwise interference will be caused by repeated bursts of oscillation when tuning is changed. We often hear the statement made that the noises which you make and hear yourself are the only disturbances which interfere with your neighbor's reception. This is not the case, for the most terrible and persistent trouble is from riding the wave or zero beat reception. You may obtain quite clear music, for the beat note is too low to be heard in your receiver. A few wave lengths from you receiver, a few wave lengths from your neighbor's receiver, your radiation and that from the station with the same

strength. At times they add and give double strength and then they subtract and cancel the unmodulated carrier wave from the station, causing a doubling of the pitch of the music momentarily. This modulation and distortion ruins the programs at your neighbor's home without any apparent beat note, the low, inaudible beat frequency being the frequency of the modulation and distortion of the wave. This trouble is not apparent at your own receiver, as the local oscillation is relatively strong and the periodic cancellation of the carrier wave does not exist.

The question before us now is what should be done to eliminate interference from receivers. The first suggestion is to legislate against the use of oscillating receivers. This is not practical, cannot be enforced, and it is unfair to eliminate the most practical and economic device because it is capable of misuse. A parallel would be to pass laws requiring the removal of steering wheels from automobiles and compelling them to run on tracks, because by improper turning of the steering wheel damage may result. Learn to tune a regenerative set as the autolite learns to drive. Legislate against misuse. A farmer or rural listener causes no interference, for he has few or no near neighbors and the simple and sensitive single-circuit regenerative set is best suited to his needs, especially as great selectivity is not required. The experience in England shows legislation to be impracticable. At first all receivers were inspected by the Postoffice Department and not approved if they could be made to oscillate the antenna. Today this part of the inspection and this requirement are ignored and the user is supposed to control his receiver.

Several newspapers and radio periodicals are conducting a campaign against radiating receivers. Many ridiculous suggestions are being made to change single circuits to double circuit receivers; to change inductively coupled feed-back to tuned plate feed-back, etc.

These suggestions and the general propaganda have been started and encouraged by those who do not appear. If the changes suggested are adopted conditions will be worse, and the desired effect of discrediting the Armstrong reaction. To get good results, everything should work together. The oscillation should start quietly when regeneration is increased and should stop immediately with decrease in regeneration. If the oscillation once started drags back, it is a sign that the grid leak, bias voltage or plate voltage is incorrect. Such a receiver cannot be used for sensitive reception just below oscillation for static or the adjustment of nearby receivers will start it oscillating, thus causing interference.

In a well-designed receiver, oscillation will start at substantially the same adjustment independent of the position of the tuning adjustment. This is an important feature, as otherwise interference will be caused by repeated bursts of oscillation when tuning is changed. We often hear the statement made that the noises which you make and hear yourself are the only disturbances which interfere with your neighbor's reception. This is not the case, for the most terrible and persistent trouble is from riding the wave or zero beat reception. You may obtain quite clear music, for the beat note is too low to be heard in your receiver. A few wave lengths from you receiver, a few wave lengths from your neighbor's receiver, your radiation and that from the station with the same

Week's Features on Programs of the Broadcasters

WHILE there are few outstanding features on the broadcasting programs for the coming week there is promise of diversified popular entertainment.

The broadcasting of the American Electric Railway Association banquet at the Hotel Chase Tuesday night by Station KSD, the St. Louis Post-Dispatch, will be one of the week's local features. The station will broadcast the St. Louis Symphony Orchestra concert Thursday night and its Saturday night offering will be a concert by the St. Louis University Glee Club, including numbers by an orchestra of Hawaiians playing their native music.

Station WCK, St. Louis, will broadcast a special series of 3 p. m. programs Monday, Tuesday, Wednesday, Thursday and Friday under the auspices of the League of Women Voters. An address by a different member of the league will be given each day.

On Thursday night Station WJZ, New York City, will broadcast the United League Club dinner with music by the Navy Band and addresses by Gen. Bullard and Admirals Conz, Robinson, Plunkett and Wiley. This station, on Saturday night, will broadcast the annual concert of the New York Liederkreis Orchestra.

From Station WMC, Memphis, Tenn., on Saturday night, Ida M. Tarbell, noted historian, will deliver an address on "Woman's Contribution to Civilization."

A talk by Senator Selden P. Spencer of Missouri will be featured on the Thursday night program of Station WRC of Washington, D. C.

On Friday night Station WGY, Schenectady, N. Y., will broadcast from its studio the romantic drama, "If I Were King."

Station WLW, Cincinnati, will broadcast the operetta "Dreams" on Monday night.

WOS, Jefferson City, will have as its Friday night feature a concert by the students and faculty of Synodical College, Fulton, Mo.

Station PWX, Havana, Cuba, will broadcast the Havana Municipal Band Wednesday night and a studio program Saturday night with piano, violin and mandolin numbers.

The University of Illinois Concert Band will be broadcast from Station KYW, Chicago, Tuesday night.

Station WDAF, Kansas City, has set aside Friday night for a novelty program, the features of which will be antics and music by the WDAF minstrels and the Pianist Sorenson.

RADIO PROGRAMS OF PRINCIPAL STATIONS

CKAC—MONTREAL, Can.
(425 METERS.)

SUNDAY, MARCH 2.
4:20 p. m.—Sacred concert. Organ, violin, vocal.

MONDAY, MARCH 3.
1:45 p. m.—Classical concert by Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock.
4:30 p. m.—Jes. C. Smith and his Mt. Royal Hotel Dance Orchestra.

TUESDAY, MARCH 4.
4:00 p. m.—Weather, news and stock reports. Music.
7:00 p. m.—Kiddies' stories in French and English.
7:30 p. m.—Concert by Mt. Royal Hotel Concert Orchestra, under direction of Rex Battle.

8:30 p. m.—French vocal selections rendered for first time in America. Direction of Raoul Vaneau.
10:30 p. m.—Dance program from Mt. Royal Hotel under the baton of Jos. C. Smith.

WEDNESDAY, MARCH 5.
1:45 p. m.—Classical concert by Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

THURSDAY, MARCH 6.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

FRIDAY, MARCH 7.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

SATURDAY, MARCH 8.
7:00 p. m.—Kiddies' stories in French and English.
7:30 p. m.—Concert by Mt. Royal Hotel Concert Orchestra.
9:30 p. m.—Special.

10:30 p. m.—Dance program from Mt. Royal Hotel under Jos. C. Smith's direction.

SUNDAY, MARCH 9.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

MONDAY, MARCH 10.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

TUESDAY, MARCH 11.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

WEDNESDAY, MARCH 12.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

THURSDAY, MARCH 13.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

FRIDAY, MARCH 14.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

SATURDAY, MARCH 15.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

SUNDAY, MARCH 16.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

MONDAY, MARCH 17.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

TUESDAY, MARCH 18.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

WEDNESDAY, MARCH 19.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

THURSDAY, MARCH 20.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

FRIDAY, MARCH 21.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

SATURDAY, MARCH 22.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

SUNDAY, MARCH 23.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

MONDAY, MARCH 24.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

TUESDAY, MARCH 25.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

WEDNESDAY, MARCH 26.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

THURSDAY, MARCH 27.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

FRIDAY, MARCH 28.
1:45 p. m.—Rex Battle and his Mt. Royal Hotel Concert Orchestra.
4:00 p. m.—Weather, news, stock reports.
4:30 p. m.—Dance program with Jos. C. Smith and his Mt. Royal Hotel Orchestra.

SATURDAY, MARCH 29.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

SUNDAY, MARCH 30.
4:00 p. m.—Weather, news, stock reports, talk. Music.
7:00 p. m.—Kiddies' stories in French and English.
8:30 p. m.—Special program by Canadian National Railway artists. Talk.

TODAY'S BROADCASTING EVENTS

KDKA—Pittsburgh, Pa. (Eastern 336).
7:45 p. m.—Children's period.
8:15 p. m.—The Golden Anniversary of the Woman's Christian Temperance Union, Mrs. R. B. Robinson.

8:30 p. m.—Concert, Westinghouse Band; Edgar Thomas Male Quartet.
KFI—Los Angeles, Cal. (Pacific 469).
5:45-7:30 p. m.—Concert program and bedtime story.

8:00-9:00 p. m.—Concert presented by the Woman's Lyric Club.
10:00-11:00 p. m.—Special instrumental and vocal concert.

KFGS—Los Angeles, Cal. (Pacific 378).
8:00-9:30 p. m.—Special musical program and sermon by Almee Temple McPherson.
KGO—Oakland, Cal. (Pacific 312).
8:00-10:00 p. m.—Concert.

KGW—Portland, Ore. (Pacific 492).
10:00 p. m.—Dance music, George Olsen's Metropolitan Orchestra.
KHJ—Los Angeles, Cal. (Pacific 345).
8:00-10:00 p. m.—Program, Kathryn Thompson and her Southern California Saxophone Band.

10:00-12:00 p. m.—Art Hickman's Orchestra.
KPO—San Francisco, Cal. (Pacific 423).
8:00-12:00 p. m.—Art Weidner's Fairmont Hotel Dance Orchestra.

KYW—Chicago, Ill. (Central 436).
7:00-7:15 p. m.—Dinner concert, Julia de Bary and his orchestra.
8:00-8:15 p. m.—Salvation Army Staff Band.

8:15-8:30 p. m.—"Safety First" talk, Chicago Motor Club.
8:30-8:45 p. m.—"Under the Evening Lamp," Youth's Companion.
10:00-12:00 p. m.—Late show.

WBAP—Fort Worth, Tex. (Central 474).
7:00-7:15 p. m.—Review of the Interdenominational Sunday School lesson and Radio Bible Class, Mrs. W. F. Barnum.
WBZ—Springfield, Mass. (Eastern 537).
7:00 p. m.—Dinner concert, Hotel Kimball Trio.

7:30-8:00 p. m.—Bedtime story for the kiddies, "Bringing the World to America," Our World Magazine.
8:00-8:15 p. m.—Concert, WBZ Trio.
8:15-8:30 p. m.—Bedtime story for grown-ups, Orlier S. Marden.

WCAB—Pittsburgh, Pa. (Eastern 462).
7:30 p. m.—Uncle "Kaybee," popular songs, Lew Kennedy.
7:30 to 8:15 p. m.—Dr. John M. Herbolzer, flutist; Marie Cavaney, pianist; Eleanor Conley, soprano.

WDAF—Kansas City, Mo. (Central 411).
7:00-7:15 p. m.—Dinner concert, Hotel Kimball Trio.
7:30-8:00 p. m.—Bedtime story for the kiddies, "Bringing the World to America," Our World Magazine.

8:00-8:15 p. m.—Concert, WBZ Trio.
8:15-8:30 p. m.—Bedtime story for grown-ups, Orlier S. Marden.
WDAF—Chicago, Ill. (Central 411).
7:00-7:15 p. m.—Dinner concert, Hotel Kimball Trio.

7:30-8:00 p. m.—Bedtime story for the kiddies, "Bringing the World to America," Our World Magazine.
8:00-8:15 p. m.—Concert, WBZ Trio.
8:15-8:30 p. m.—Bedtime story for grown-ups, Orlier S. Marden.

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8:00-8:15 p. m.—Concert, WBZ Trio.
8:15-8:30 p. m.—Bedtime story for grown-ups, Orlier S. Marden.

K S D
Saturday—8:30 p. m.
Broadcasting the music program direct from the Missouri Theater.

PROGRAM:
1. Organ solo by Tom Terry—"A Smile Will Go a Long Long Way" (Davis-Akst).
2. Overture—Selections from the Opera "Rigoletto" (Verdi).
The Orchestra—Joseph Littau conducting.

3. Sascha Jacobson—Violin Virtuoso.
(a) Meditation from "Thais" (Wieniawski).
(b) "Souvenir de Moscow" (Wieniawski).

(c) "Indiana Moon" (Jones).
4. Orchestral accompaniment to the Opera "Rigoletto" (Verdi).
5. Paul Whiteman's Collegians—Direction of Vincent Gauthier.

(a) Lovey Came Back (Lou Handman).
(b) The One I Love Belongs to Somebody Else.
(c) Going South (Al Johnson).
(d) Dream Daddy.
(e) Old Home Medley.

(f) Old-Fashioned Love.
6. Orchestral and organ music for feature picture.

WJAZ—Chicago, Ill. (448 Meters).
10 p. m. to 1 a. m.—Program by E. Warren K. Howe, musical director; Florence K. White, soprano; Florence Burdette, mezzo soprano; Langdon Brothers, steel guitar; Cambridge Sisters, vocal trio; Oriole Orchestra, popular music.

WZZ—New York, N. Y. (455 Meters).
7:30 p. m.—Erva Lucille Giles, soprano.
7:45 p. m.—Vincent Desautis, violinist.

8 p. m.—"Sausage," John C. Cutting.
8:15 p. m.—Vincent Desautis, violinist.
8:30 p. m.—Ellis A. Lundberg, baritone.

8:45 p. m.—Music Week contest.
9 p. m.—Ellis A. Lundberg, baritone.
9:15 p. m.—"Employers and Satisfactory Service," K. M. Wehringer.

10:30 p. m.—Harold Stern and his Hotel Majestic Orchestra.
WLAG—Minneapolis, Minn. (417 Meters).
6:00 to 6:30 p. m.—Sport Hour—Mrs. C. A. Swetak, "Training and Care of Canaries."

7:30 to 8:15 p. m.—Business lecture, Mrs. W. S. Anli; "The Shriner's Children's Hospital."
8:15 to 10:15 p. m.—Studio program.
10:15 to 12:30 p. m.—Dance program.

WMAQ—Chicago, Ill. (447.5 Meters).
8:00 p. m.—Suburban Band of LaGrange.
8:00 p. m.—Balaban & Katz Chicago Theater Revue.

WMO—Memphis, Tenn. (500 Meters).
8:00 p. m.—"The Place of Women in Modern Society," Dr. Earl Barnes.
WOC—Davenport, Ia. (484 Meters).
12:00 p. m.—"Chemical Constituents of the Human Body," C. C. Hall.

6:45 p. m.—Chimes.
6:50 p. m.—Sandman's visit.
7:00 p. m.—Some Facts About Balloon Type Tires, J. F. Block.
8:00 p. m.—F. S. G. Orchestra, Gerald M. Barrow, director; V. R. Rechte, baritone.

WOH—Newark, N. J. (405 Meters).
8:00 to 8:50 p. m.—Gene Ngramham and his Bell Record Orchestra.
8:50 to 9:00 p. m.—Belle Bart, astrologist.

9:00 to 9:15 p. m.—James MacDonald, baritone, assisted by Allen C. Albee, pianist.
9:15 to 9:45 p. m.—Belle Bart.
9:50 to 10:05 p. m.—James MacDonald, baritone.

10:05 to 11:00 p. m.—Combined Musical Clubs of Stevens Institute of Technology.
WSB—Atlanta, Ga. (430 Meters).
8:00 to 9:00 p. m.—J. Neil Martin instrumental quartet in variety program.

10:45 to 11:45 p. m.—Kimo Kaloh's Moonlight Fire, Hawaiian serenaders; Radioway skyark.
WTAM—Cleveland O. (380 Meters).
8:00 p. m.—Regular Saturday evening dance program by the WIAAM dance Orchestra; solo number by Dick Finnegan, the 11-year-old boy soprano; Mrs. B. J. Brubaker, tenor.

SATURDAY, MARCH 8.

8:30 p. m.—Concert by the Westinghouse band, T. J. Vastine, conductor; Anna Beck, soprano; Arthur Brown, accompanist; and Leonard W. Seigel, baritone.

KFI—LOS ANGELES, CAL. (469 METERS)

SUNDAY, MARCH 9.
10 to 10:45 a. m.—Los Angeles Church Federation service.
4 to 5 p. m.—Federated Church Musicians' vespers service.

8:45 to 9:30 p. m.—Bedtime story and concert.
9 to 9 p. m.—Ambassador Hotel concert.

9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Theron Bennett's Packard Six.

MONDAY, MARCH 10.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

TUESDAY, MARCH 11.
6:45 to 7:30 p. m.—Geo. J. Birkel concert.
8 to 9 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.
9 to 10 p. m.—Examiner concert.

10 to 11 p. m.—Sol Cohen and associates.
WEDNESDAY, MARCH 12.
6:45 to 7:30 p. m.—Nick Harris' detective stories and concert.
8 to 9 p. m.—Evening Herald concert.

9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Mrs. William Barber concert.

THURSDAY, MARCH 13.
6:45 to 7:30 p. m.—Y. M. C. A. concert and bedtime story.
8 to 9 p. m.—Ambassador Hotel concert.
9 to 10 p. m.—Examiner concert.

10 to 11 p. m.—Mrs. William Barber concert.
FRIDAY, MARCH 14.
6:45 to 7:30 p. m.—Bedtime story and concert.

8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Myra Belle Vickers concert.

11 to 12 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.
SATURDAY, MARCH 15.
6:45 to 7:30 p. m.—Bedtime story and concert.

8 to 9 p. m.—Reveries-Baraard.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Vocal and instrumental concert.

11 to 12 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.
KHJ—LOS ANGELES, CAL. (395 METERS)

SATURDAY, MARCH 15.
6:45 to 7:30 p. m.—Children's program presenting Helene Pirie, screen juvenile; Richard Allen White, reader, 8 years of age. Bedtime story by "Uncle John."

8 to 10 p. m.—Program presenting Kathryn Thompson and her Southern California Saxophone Band.
10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

SUNDAY, MARCH 16.
8 to 10 p. m.—Program presenting a trio from Art Hickman's Orchestra. Pasadena Community Broadcasters, Edward Murphy, manager, present one-act play, "G. Allison Phelps will give a talk on 'Prayer'."

MONDAY, MARCH 17.
12:30 to 1:30 p. m.—News items, Weather report. Music. Silent balance of day.

TUESDAY, MARCH 18.
8 to 10 p. m.—Program presented by Studebaker Six of Long Beach. Leo A. McGuire, Irish songster. Mary Garden, prima donna.

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.
WEDNESDAY, MARCH 19.
8 to 10 p. m.—Program presented by Triple Chimes Co. P. Waldo Davis arranging. Pearl Meade Barry, reader; Marton Dean Badenoch, soprano, through the courtesy of Smallman studio. Dr. Mars Baumgardt, lecturer.

THURSDAY, MARCH 20.
8 to 10 p. m.—Program presenting Cammandery Band No. 9; E. A. Erickson, director; Earl Myron Bickford and Vahdah Oicott-Bickford, mandolin and guitar; Florin H. Jones, psychologist, of the Marta Oatman School.

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.
FRIDAY, MARCH 21.
7 to 7:30 p. m.—Organ recital from the first Methodist Episcopal Church; Arthur Blakeley, organist.

8 to 10 p. m.—Program presented by the Elvanda Club of Glendale. Walter J. McIntire, lecturer, will talk on "Early History of California."

TO BE BRO

Time given is local for each Pacific Time. No broadcasting and Pittsburgh operate on Eastern Time.

SATURDAY, MARCH 8.
8 to 10 p. m.—Program presented by California Institute of Technology Glass Club.

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

KGO—OAKLAND, CALIF. (312 METERS)

PACIFIC.
TUESDAY, MARCH 4.
8 p. m.—Musical program.

THURSDAY, MARCH 6.
8 p. m.—Musical program.

SATURDAY, MARCH 8.
8 p. m.—Musical program.

KGW—PORTLAND, ORE. (492 METERS)

SUNDAY, MARCH 9.
4 p. m.—Church services.

8 p. m.—George Olsen's Metropolitan Orchestra in dinner program of concert music from Hotel Portland.

MONDAY, MARCH 10.
8 p. m.—Health talk under auspices of University of Oregon Medical School, by Dr. Blair Holcomb, clinical instructor in the department of medicine; subject, "Diabetes and the Insulin Treatment."

7:30 p. m.—Weather forecast and market reports.
8 p. m.—Joint recital by Jeanette Boyer Xenien, coloratura soprano, and Margaret Laughton, flutist.

STATIONS

TO BE BROADCAST THIS COMING WEEK

Time given is local for each station. When it is 6 p. m. in St. Louis it is 7 p. m. Eastern Standard Time, and 4 p. m. Pacific Time. No broadcasting station in this Guide is located in Mountain Time territory. Detroit, Buffalo, Cleveland and Pittsburgh operate on Eastern Time. All Mississippi Valley stations and Atlanta, Ga., have Central Standard Time.

SATURDAY, MARCH 8.

8:30 p. m.—Concert by the Westinghouse band, T. J. Vastine, conductor; Anna Beck, soprano; Arthur Brown, accompanist; and Leonard W. Seigel, baritone.

KFI—LOS ANGELES, CAL. (469 METERS)

SUNDAY, MARCH 9.

10 to 10:45 a. m.—Los Angeles Church Federation service.
4 to 5 p. m.—Federated Church Musicians' vespers service.
6:45 to 7:30 p. m.—Bedtime story and concert.
8 to 9 p. m.—Ambassador Hotel concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Theron Bennett's Packard Six.

MONDAY, MARCH 10.

8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

TUESDAY, MARCH 11.

6:45 to 7:30 p. m.—Geo. J. Birken concert.
8 to 9 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Sol Cohen and associates.

WEDNESDAY, MARCH 12.

6:45 to 7:30 p. m.—Nick Harris' detective stories and concert.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Hollywood Community Orchestra.

THURSDAY, MARCH 13.

6:45 to 7:30 p. m.—Y. M. C. A. concert and bedtime story.
8 to 9 p. m.—Ambassador Hotel concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Mrs. William Barber concert.

FRIDAY, MARCH 14.

6:45 to 7:30 p. m.—Bedtime story and concert.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Myra Belle Vickers concert.

SATURDAY, MARCH 15.

6:45 to 7:30 p. m.—Bedtime story and concert.
8 to 9 p. m.—Edna Reeves-Barnard.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Vocal and instrumental concert.

SUNDAY, MARCH 16.

11 to 12 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

KHJ—LOS ANGELES, CAL. (395 METERS)

SATURDAY, MARCH 15.

6:45 to 7:30 p. m.—Children's program presenting Helene White, screen juvenile; Richard Allen White, reader, 3 years of age. Bedtime story by "Uncle John."

8 to 10 p. m.—Program presenting Kathryn Thompson and her Southern California Saxophone Band.

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

SUNDAY, MARCH 16.

8 to 10 p. m.—Program presenting a trio from Art Hickman's Orchestra. Pasadena Community Broadcasters, Edward Murphy, manager, present one-act play, G. Allison Phelps will give a talk on "Prayer."

MONDAY, MARCH 17.

12:30 to 1:30 p. m.—News items. Weather report. Music. Silent balance of day.

TUESDAY, MARCH 18.

8 to 10 p. m.—Program presented by Studebaker Six of Long Beach. Leo A. McGuire, Irish songster. Mary Garden, prima donna.

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

WEDNESDAY, MARCH 19.

8 to 10 p. m.—Program presented by Triple Chimes Co. P. Waldo Davis arranging. Pearl Maude Barry, reader; Marion Bean Badenoch, soprano, through the courtesy of Smallman studio. Dr. Mary Baumgardt, lecturer.

THURSDAY, MARCH 20.

8 to 10 p. m.—Program presenting Commandery Band No. 5; E. A. Erickson, director; Zark Myron Bickford and Vahdah Olcott-Bickford, mandolin and guitar; Florin H. Jones, psychologist, of the Marta Oatman School.

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

FRIDAY, MARCH 21.

7 to 7:30 p. m.—Organ recital from the first Methodist Episcopal Church; Arthur Hakeley, organist.

8 to 10 p. m.—Program presented by the Elvanda Club of Glendale. Walter F. McIntire, lecturer, will talk on "Early History of California."

SATURDAY, MARCH 8.

10 to 10:45 a. m.—Program presented by California Institute of Technology Glee Club.
10 to 11 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

KGO—OAKLAND, CALIF. (312 METERS)

PACIFIC.

TUESDAY, MARCH 11.
THURSDAY, MARCH 13.
SATURDAY, MARCH 15.

KGW—PORTLAND, ORE. (492 METERS)

SUNDAY, MARCH 16.

8 to 9 p. m.—Church service.
9 to 10 p. m.—George Olsen's Metropolitan Orchestra in dinner program of concert music from Hotel Portland.

MONDAY, MARCH 17.

8 to 9 p. m.—Health talk under auspices of University of Oregon Medical School, by Dr. Blair Holcomb, clinical instructor in the department of medicine; subject, "Diabetes and the Insulin Treatment."

9 to 10 p. m.—Weather forecast and market reports.
10 to 11 p. m.—Joint recital by Jeanette Boyer Kustin, coloratura soprano, and Margaret Laughlin, flutist.

11 to 12 p. m.—Program arranged by Mrs. L. W. Waldorf.

TUESDAY, MARCH 18.
THURSDAY, MARCH 20.
SATURDAY, MARCH 22.

7:45 a. m.—Talk for farmers, Oregon Agricultural College extension service.
8 to 11 p. m.—Program of old-time dance music by Walker Brothers Orchestra.

THURSDAY, MARCH 20.
SATURDAY, MARCH 22.

8 to 9 p. m.—Radio play by Red Lanterna Playhouse.
9 to 10 p. m.—Dance music by George Olsen's Metropolitan Orchestra of the Hotel Portland.

FRIDAY, MARCH 21.
SUNDAY, MARCH 23.

8 to 9 p. m.—Studio program of dance music by George Olsen's Metropolitan Orchestra of Hotel Portland, Herman Kuhn, director.
9 to 10 p. m.—Educational lecture provided by University of Oregon extension department.

10 to 11 p. m.—Hoot Owl.
11 to 12 p. m.—Weather forecast.

SATURDAY, MARCH 22.
SUNDAY, MARCH 23.

8 to 9 p. m.—Children's program; story by Jack Neil.
9 to 10 p. m.—Weather forecast and dance music by George Olsen's Metropolitan Orchestra of Hotel Portland (2 hours).

KYW—CHICAGO, ILL. (536 METERS)

8 to 10 p. m.—Musical program: Courtesy of the Salvation Army Staff Band. Program will be announced by radio-phones.

10 to 11 p. m.—"Safety First" talk furnished by the Chicago Motor Club.
11 to 12 p. m.—"Under the Evening Lamp," serials including stories, articles and humorous sketches furnished by the Youth's Companion.

12 to 1 p. m.—Late show to be broadcast from KYW's studio in the Congress Hotel.

SUNDAY, MARCH 23.
MONDAY, MARCH 24.

8 to 9 p. m.—Central Church service broadcast from Orchestra Hall, Chicago; Dr. E. F. Shannon, pastor; musical program under the direction of Daniel Freeman.

9 to 10 p. m.—Studio chapel service given under the auspices of Chicago Church Federation.

10 to 11 p. m.—Chicago Sunday Evening Club service broadcast from Orchestra Hall, Chicago. Special musical program under the direction of Edgar Nelson. The number of the evening will be Dr. Ralph Black.

TUESDAY, MARCH 24.
WEDNESDAY, MARCH 25.

8 to 9 p. m.—American Farm Bureau Federation program. The speaker of the evening will be announced by radio.

9 to 10 p. m.—Musical program: Courtesy of the Chicago Musical College. Director D. Paul Breitwieser.

10 to 11 p. m.—University of Illinois Concert Band will give a concert at Orchestra Hall.

THURSDAY, MARCH 26.
FRIDAY, MARCH 27.

8 to 9 p. m.—"Good Road Report" furnished by the Chicago Motor Club.
9 to 10 p. m.—Program by Union Trust Co. of Chicago.
10 to 11 p. m.—Rock reviews by Llewellyn

Jones, literary editor of the Chicago Evening Post.
9:30 p. m.—Program furnished by the Federal Health Bureau.

10 p. m. to 2 a. m.—Midnight revue.
THURSDAY, MARCH 13.

8:30 to 9:05 p. m.—Musical program: Merle Boyd Mitchell, soprano; Francis Boleyn, violinist; Sandy Meeks, tenor; James Mitchell, baritone.

9:05 p. m.—Talk on "Income Tax" by H. Archibald Harris.
9:15 p. m.—Program furnished by the National Live Stock and Meat Board. Speaker will be announced by radio-phones.

FRIDAY, MARCH 14.
SATURDAY, MARCH 15.

7 to 7:30 p. m.—Dinner concert broadcast from the Congress Hotel.
7 to 7:15 p. m.—Joska De Babary and his orchestra playing in the Louis XVI room.

7:15 to 7:30 p. m.—Clyde Doerr and his orchestra playing in the Pompeian room.
7:30 to 7:45 p. m.—Joska de Babary and his orchestra playing in the Louis XVI room.

10 p. m. to 2 a. m.—Midnight revue will be broadcast from KTW's studio.

SATURDAY, MARCH 15.
SUNDAY, MARCH 16.

8 to 9:15 p. m.—Musical program: Courtesy of Alma J. Anderson, soprano; Fridtjof N. Stueland, bass; Sammy Stewart and his Knights of Syncope; Sallie Menkes, accompanist; Harriet Kish, accompanist.

9:15 p. m.—"Safety First" talk by Chicago Motor Club.
9:30 p. m.—"Under the Evening Lamp" service furnished by the Youth's Companion, including short stories, articles and humorous sketches.

THURSDAY, MARCH 13.
FRIDAY, MARCH 14.

7:45 a. m.—Talk for farmers, Oregon Agricultural College extension service.
8 to 11 p. m.—Program of old-time dance music by Walker Brothers Orchestra.

THURSDAY, MARCH 13.
SATURDAY, MARCH 15.

8 to 9 p. m.—Radio play by Red Lanterna Playhouse.
9 to 10 p. m.—Dance music by George Olsen's Metropolitan Orchestra of the Hotel Portland.

FRIDAY, MARCH 14.
SUNDAY, MARCH 16.

8 to 9 p. m.—Studio program of dance music by George Olsen's Metropolitan Orchestra of Hotel Portland, Herman Kuhn, director.
9 to 10 p. m.—Educational lecture provided by University of Oregon extension department.

10 to 11 p. m.—Hoot Owl.
11 to 12 p. m.—Weather forecast.

SATURDAY, MARCH 15.
SUNDAY, MARCH 16.

8 to 9 p. m.—Children's program; story by Jack Neil.
9 to 10 p. m.—Weather forecast and dance music by George Olsen's Metropolitan Orchestra of Hotel Portland (2 hours).

THURSDAY, MARCH 13.
FRIDAY, MARCH 14.

8 to 9 p. m.—Musical program: Courtesy of the Salvation Army Staff Band. Program will be announced by radio-phones.

10 to 11 p. m.—"Safety First" talk furnished by the Chicago Motor Club.
11 to 12 p. m.—"Under the Evening Lamp," serials including stories, articles and humorous sketches furnished by the Youth's Companion.

12 to 1 p. m.—Late show to be broadcast from KYW's studio in the Congress Hotel.

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MONDAY, MARCH 24.

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WEDNESDAY, MARCH 25.

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9 to 10 p. m.—Musical program: Courtesy of the Chicago Musical College. Director D. Paul Breitwieser.

10 to 11 p. m.—University of Illinois Concert Band will give a concert at Orchestra Hall.

THURSDAY, MARCH 26.
FRIDAY, MARCH 27.

8 to 9 p. m.—"Good Road Report" furnished by the Chicago Motor Club.
9 to 10 p. m.—Program by Union Trust Co. of Chicago.
10 to 11 p. m.—Rock reviews by Llewellyn

WBZ—SPRINGFIELD, MASS. (337 METERS)

SATURDAY, MARCH 15.
SUNDAY, MARCH 16.

7:30 p. m.—Bedtime story for the kiddies. "Bringing the World to America," prepared by "Our World Magazine."

8 p. m.—Concert by the WBZ Trio.
9 p. m.—Bedtime story for the grown-ups by Orison S. Marden.

9:55 p. m.—Arlington time signals.

SUNDAY, MARCH 16.
MONDAY, MARCH 17.

10:45 a. m.—Church services direct from the Church of the Unity; Rev. Charles A. Wing, pastor; music by the Philharmonic male quartet and Miss Adele Graves, harpist; Raymond C. Hodge, first tenor; Howard L. Smith, second tenor; William H. Lippmann, baritone; George B. Dowd, bass; Robert W. Field, organist and director.

6:45 p. m.—Sunday Vespers on the Springfield Municipal Chimes transmitted direct from the Campanile, Ernest Newton Bagg, chime ringer.

MONDAY, MARCH 17.
TUESDAY, MARCH 18.

10 p. m. to 2 a. m.—Concert by the WBZ Trio, and Maurice E. Wallen, tenor; Stanley Usher, accompanist.

5:30 p. m.—Story for grown-ups by Orison S. Marden.

9:55 p. m.—Arlington time signals.

WEDNESDAY, MARCH 19.
THURSDAY, MARCH 20.

7:40 p. m.—Concert by Mrs. Tel J. Bourassa, soprano; Mrs. V. P. Sevrault, soprano; Bernadette Bourbonnais, accompanist.

8:30 p. m.—Story for grown-ups by Orison S. Marden.

9:55 p. m.—Arlington time signals.

THURSDAY, MARCH 20.
FRIDAY, MARCH 21.

7:40 p. m.—Concert by Mrs. M. J. Aronson, pianist; Mrs. Marguerite Boyd, soprano; Mrs. Charles A. Holmed, contralto.

8:30 p. m.—Story for grown-ups by Orison S. Marden.

9:55 p. m.—Arlington time signals.

WCAE—PITTSBURG, PA. (462 METERS)

SUNDAY, MARCH 16.
MONDAY, MARCH 17.

2:00 p. m.—People's radio church service.
4:00 p. m.—Piano recital by Prof. Otto Kallista of the Bavarian Conservatory of Music.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

8:00 p. m.—Organ recital by Miss Irene Madson.

MONDAY, MARCH 17.
TUESDAY, MARCH 18.

8:00 p. m.—Radio dancing lesson No. 10 prepared by Arthur Murray.

8:30 p. m.—Musical program by the Scholl Club of Pittsburgh.

TUESDAY, MARCH 18.
WEDNESDAY, MARCH 19.

7:45 p. m.—Low Kennedy will sing several late popular numbers. Miss Irene Setzler at the piano.

8:00 p. m.—Silent period.

8:30 p. m.—Musical program. Mrs. Rhea Northrop Sommerfeld and co-operating artists.

THURSDAY, MARCH 20.
FRIDAY, MARCH 21.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

7:30 p. m.—Uncle "Kaybee."

8:00 p. m.—Fifth of a series of Thursday night addresses on interesting subjects, by Rev. Clyde L. Nevins, pastor of the First Baptist Church, Pittsburgh, Pennsylvania.

9:15 p. m.—Silent period.

9:30 p. m.—Musical program by Mrs. Joseph Pickard, soprano soloist, and visiting artists.

FRIDAY, MARCH 7.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.
7:30 p. m.—Uncle "Kaybee."

8:00 p. m.—Silent period.
8:30 p. m.—Musical program by Monaca Male Quartet.

SATURDAY, MARCH 8.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.
7:30 p. m.—Uncle "Kaybee."

7:45 p. m.—Low Kennedy will sing several late popular numbers. Miss Irene Setzler at the piano.

8:00 p. m.—Silent period.
8:30 p. m.—Musical program by the Pittsburg Orchestra.

WCBD—ZION CITY, ILL. (345 METERS)

MONDAY, MARCH 10.

8 p. m.—Male Chorus, 20 voices. Mr. John D. Thomas, conductor; Miss Dorothy Bull, soprano; Mr. and Mrs. R. M. Steel, soprano and tenor duet; Mr. William C. Dunn, euphonium; Messrs. Stewart and Dunn, cornet and euphonium; Messrs. P. E. Newcomer and Carl Newcomer, cornet and saxophone; Mr. George Beem, song bells and xylophone; Mr. Arthur Kendall, clarinet; Mrs. Blanche Reynolds Kessler, reader.

THURSDAY, MARCH 13.

8 p. m.—Tribble Ciel Chorus, 20 voices. Mr. John D. Thomas, conducting; Mr. Edwin Sach at the piano; assisted by following performers: Clarinet quartet, Messrs. Kendall, Dreyer, Hendricks and Peterson; Mr. Herman Becker, 'cello; Mr. E. B. Patton, baritone; Miss Ida Peterson and Miss Evelyn Orlek, soprano and contralto; Messrs. Eric and Stacey Carey, trombone and euphonium; Mrs. E. B. Faxon, reader; Miss Miriam Hollingshead, flute; Miss Josephine Martin and Pearl Ludlow, piano.

WDAF—KANSAS CITY, MO. (411 METERS.)

SUNDAY, MARCH 16.

4 to 5—Program given by the band of Harrisonville, Mo., under the direction of J. L. White.

MONDAY, MARCH 17.

6 to 7—Marketgram, weather forecast, time signal and road report; address, speaker from the University of Kansas, Lawrence, Kan.; The children's story and information period; Music, Fritz Hansen's Trio Ensemble, Hotel Muehlbach.

8 to 9:15—Pipe organ and Duo-Art recital, with vocal and instrumental numbers, broadcast from the home of C. W. Jenkins in Kansas City.

11:45 p. m. to 1 a. m.—Nighthawk frolic.

TUESDAY, MARCH 18.

6 to 7—Marketgram, weather forecast, time signal and road report; address, speaker from the University of Kansas, Lawrence, Kan.; The children's story and information period; music, Fritz Hansen's Trio Ensemble, Hotel Muehlbach.

8 to 9:15—Classical concert; program arranged and presented by Miss Virginia French and the music department of Junior College, Kansas City.

11:45 p. m. to 1 a. m.—Nighthawk frolic.

WEDNESDAY, MARCH 19.

6 to 7—Marketgram, weather forecast, time signal and road report; address, speaker from the William Jewell College, Liberty, Mo.; address, Mrs. Rhea Sheldon; the children's story and information period; music, Fritz Hansen's Trio Ensemble, Hotel Muehlbach.

8 to 9:15—Classical concert; program arranged and presented by Miss Virginia French and the music department of Junior College, Kansas City.

11:45 p. m. to 1 a. m.—Nighthawk frolic.

THURSDAY, MARCH 20.

6 to 7—Marketgram, weather forecast, time signal and road report; address, speaker from the Kansas City Children's Bureau; address, Maj. M. G. Paris, Fort Hanning, Columbia, Kan.; the children's story and information period; music, Fritz Hansen's Trio Ensemble, Hotel Muehlbach.

8 to 9:15—Novelty night; popular program given by the WDAF minstrel with Jack Riley's Plantation Serenaders.

11:45 p. m. to 1 a. m.—Nighthawk frolic.

FRIDAY, MARCH 21.

6 to 7—Marketgram, weather forecast, time signal and road report; address, speaker from the Kansas City Children's Bureau; address, Maj. M. G. Paris, Fort Hanning, Columbia, Kan.; the children's story and information period; music, Fritz Hansen's Trio Ensemble, Hotel Muehlbach.

8 to 9:15—Novelty night; popular program given by the WDAF minstrel with Jack Riley's Plantation Serenaders.

11:45 p. m. to 1 a. m.—Nighthawk frolic.

SATURDAY, MARCH 22.

6 to 7—Marketgram, weather forecast, time signal and road report; address, speaker from the Kansas City Children's Bureau; address, Maj. M. G. Paris, Fort Hanning, Columbia, Kan.; the children's story and information period; music, Fritz Hansen's Trio Ensemble, Hotel Muehlbach.

8 to

Building Your Radio Suit Yo

BEST TWO-TUBE CIRCUIT "DISTANCE" AND VOI

Second of a Series of Pages Reviewing Circuits of Tested With Building Instr

By Capt. Robert Scofield Wood.

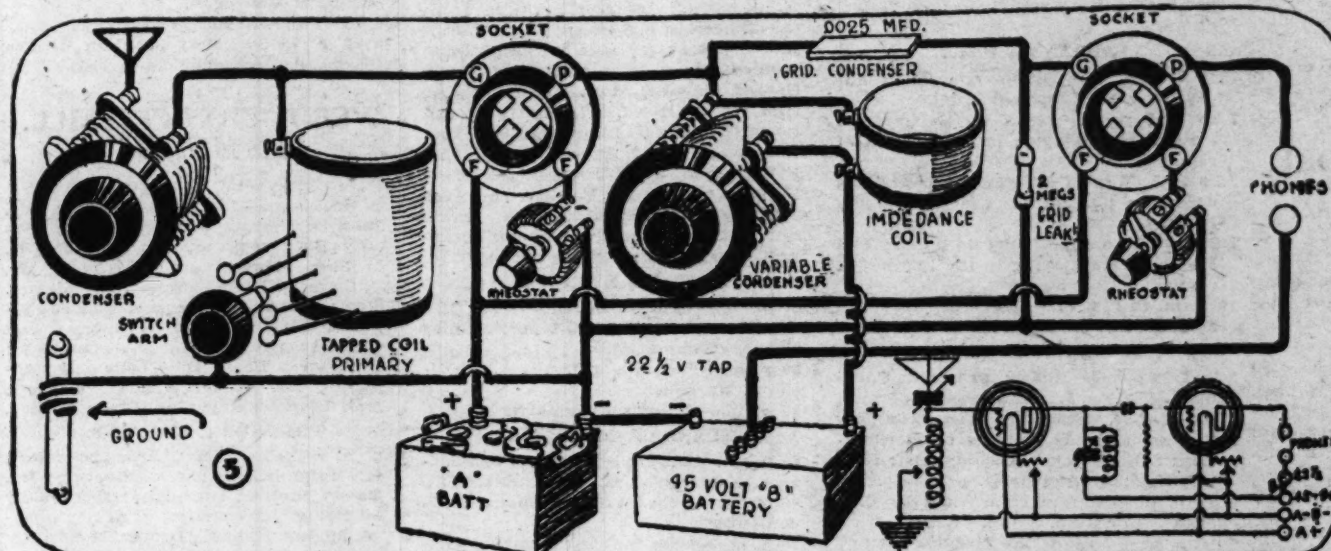
IN the following article, which is the second of the series for the enthusiast who wants to build his own set, we have given the hook-ups in picture and schematic form of four popular two-tube sets. The first covers a straight step of tuned impedance radio frequency amplification and a detector. The second covers the two-step amplifier, the third a

two-tube inverse duplex circuit with a crystal detector, about the same as a straight four-tube receiver. The diagram given shows a step of tuned radio frequency, a detector and a step of audio frequency amplification, using only two tubes but giving the effect of three tubes.

We have not tried to give a complete description of the assembly and operation of any of these sets, as it would require more space for one hook-up than we have devoted to the entire article. We have, however, given the pertinent

ing each of the circuits and have hook-ups of the actual instrument of all of the constants of the v these sets can be depended upon to and descriptive matter are follow of wiring applies without devi ns. Use short leads. Avoid para tions, using rosin core solder, av

NO. 5—ONE STEP OF TUNED RADIO FREQUENCY



TUNED radio frequency has "won its spurs" as far as the radio fan is concerned, and its popularity increases with leaps and bounds. It is only natural, for tuned radio frequency offers selectivity, distance, efficiency and insures quietness in the atmosphere, which is so badly disturbed at the present time with sets of the regenerative type, whose uncontrolled oscillations radiate from receiving antennae. Regenerative circuits and tubes with oscillating characteristics are legislated against in some foreign countries because of their inherent disturbing tendencies.

Tuned radio frequency gets away from these obnoxious elements and, in addition, is easier to handle than the regenerative circuits. The great advantage of tuned radio frequency amplification, as compared with the other forms of radio frequency, is that it insures maximum efficiency on all wave lengths; that is, within its wave length band. The one shown above is just as clear and loud on 240 meters as it is on 600 meters. The whole set can be brought in perfect resonance with the desired signals by means of the tuned element in the radio frequency unit.

The set shown is one that is very popular because of its cheapness of construction and high degree of efficiency. It consists of one step of tuned radio frequency, in this particular form known as tuned impedance, and a detector. A set of this type properly constructed has a dependable range of 1500 miles.

There are several combinations of tuning elements that can be used in this circuit. The primary inductance may be made by winding 50 turns of No. 22 double cotton-covered copper wire on a

3 1/4-inch bakelite tube, the coil to be tapped at the tenth, eighteenth, twenty-sixth, thirty-fourth, forty-second and fiftieth turns. A tapped spider web coil, using the same size wire and tapped in the same manner with the 55 turns, will also be found adaptable in this circuit.

The impedance coil may be of the tube type. This coil need not be more than 35 or 40 turns and need not be tapped. A spider web coil of 50 turns can also be used here, as can also a dual-lateral honeycomb coil, type 50.

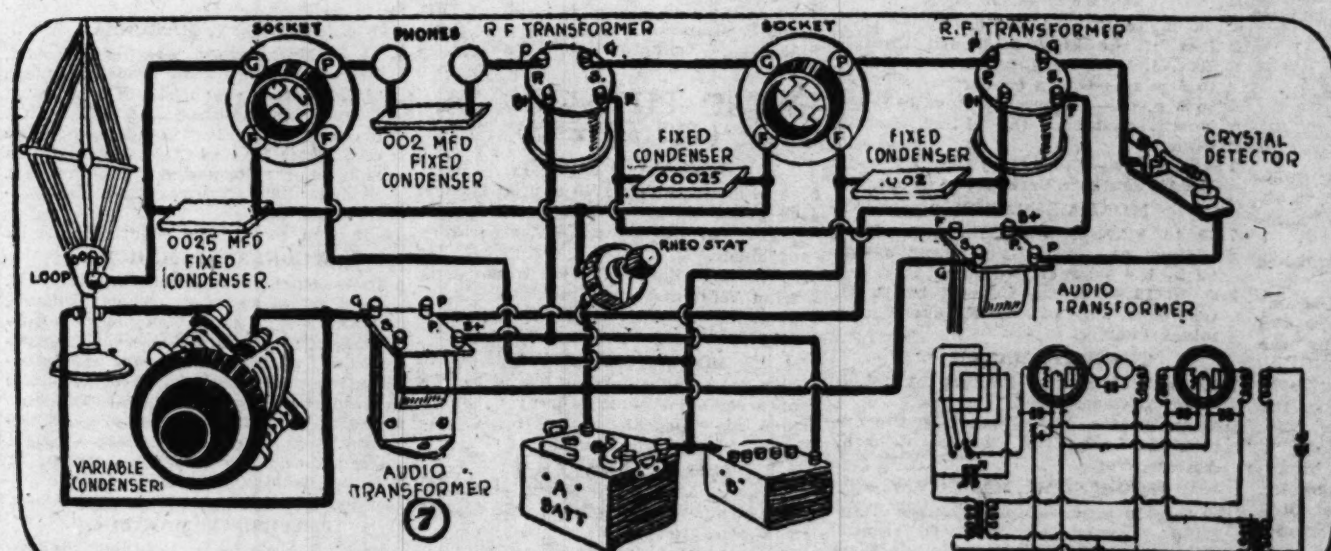
The two condensers are of the variable 22-plate type, one used in series with the antenna and the other shunted across the impedance coil, as indicated in the diagram and picture.

The best results will be obtained with UV201A or C301A tubes. These tubes will necessitate the use of 30-ohm rheostats. A plate potential ("B" battery voltage) of 45 volts should be used on the radio frequency tube and 22 1/2 volts on the plate of the detector tube for the detector. A UV200 tube may be used to better advantage than the "A" tubes. If the 200 is used a 6-ohm rheostat should be used in place of the 30-ohm. The "B" battery requirements will be without crowding any of the parts.

The grid leak and condenser should have the following values, respectively: Two megohms and .00025 microfarad.

This set will operate from any aerial, either indoor or outdoor, which has a length of 50 feet or more.

NO. 7—INVERSE DUPLEX RECEIVER



CIRCUIT NO. 7 is an inverse duplex circuit which has proven so popular with the broadcast listeners. The credit for its presentation in America goes to David Grimes, whose work with reflex circuits is known to every fan. In this particular circuit we use two tubes for radio and audio amplification with a crystal detector used for rectification. The path of the impulses is through the first radio frequency tube and transformer to the second radio frequency tube and transformer, through the crystal for rectification from radio frequency into an audio frequency oscillation, then back to the first audio frequency transformer, back to the second radio frequency tube, then to the second audio frequency transformer, then through the first radio frequency tube for its second step of audio frequency and then to the phones or loud speaker.

In this system the two tubes are used inversely, first for radio frequency amplification and then for audio frequency amplification. For the local stations it can be used very satisfactorily with a nine turn loop aerial, 18 inches square.

For long distance work the loop can be replaced by a variocoupler for use with an outdoor aerial about 30 feet long and a ground connection. The aerial and ground are connected to the primary and the secondary takes the place of the loop.

Iron core radio frequency transformers are recommended for use in this circuit. Acme R-2 for the first step and R-3 for the

second, or the iron core Duratran transformers will be found ideal for this circuit.

The audio frequency transformer for the first step is a high ratio transformer of about 8 to 1 or 9 to 1, with a low ratio of 4 to 1 in the second step. One rheostat will be sufficient to control the tubes and should be of the proper resistance for the tubes used. The use of 201-A or 301-A tubes is recommended and will require, in addition to a 12 to 20-ohm rheostat, a six-volt storage A battery or four dry cells connected in series, a variable plate potential ("B" battery voltage) of between 45 and 120 volts.

The variable condenser shunted across the loop or, in the event of using an outdoor aerial, across the secondary of the variocoupler, is a 45-plate (.001 mfd.) with vernier attachment. The values of the fixed condensers are shown in the picture diagram.

The crystal detector should be of the catwhisker type and the crystal itself must be of the hardest type obtainable. The natural crystals are not hard enough to handle the strength of the signal passed to them for rectification and soon burn out, impairing, if not totally destroying, the efficiency of the set.

An additional step of audio amplification may be added if greater volume on the loud speaker is desired when using the set in conjunction with the loop. It may also be found advisable to ground one side of the "A" battery when using the loop.

What It Will Build These

IN the cost tables presented here, the parts included with the exception of the vacuum tubes, are of the best quality, but an extra attempt at the construction of these circuits.

It will be noted that the figures are given in the form of a range, indicating the average lowest price at which the parts are generally offered for sale in the market. The quality of the parts is of the highest grade, and the best parts that your money will give you, and the longer and more consistent you must always buy the parts, for sometimes cost is high because of the price of the article, but with its performance. Select goods by reliable manufacturers and which the manufacturer's guarantee stands.

Parts Required.	Price Range.
2 22-plate variable condensers	\$2.00 to \$3.00
2 tubes	\$2.00 to \$3.00
2 sockets	.50 to 1.00
2 rheostats	1.00 to 2.00
1 switch arm, 5 taps	.35 to 1.00
1 grid leak	.20 to .75
1 grid condenser	.40 to .50
1/2 pound of 22 D. C. wire	.35 to .35
8 binding posts	.40 to 1.20
2 dos. copper lugs	.10 to .30
1 6-volt storage "A" battery	10.00 to 25.00
2 3 3/4 or 4-inch dials	.20 to 1.50
1 7x14 panel	1.25 to 2.00
12 feet of bus bar	.30 to .30
2 tubing, 3/4 inch	.40 to 2.20
1 45-volt "B" battery	5.00 to 5.00
Total price range	\$20.75 to \$60.10

Parts Required.	Price Range.
2 audio transformers	\$2.00 to \$4.00
2 sockets	.50 to 1.00
2 rheostats	1.00 to 2.00
2 tubes	7.00 to 10.00
1 7x12-inch panel	1.25 to 2.00
7 binding posts	.35 to 1.00
9 feet of bus bar	.10 to .30
1 fixed condenser	.45 to .45
Total price range	\$15.85 to \$23.70

Parts Required.	Price Range.
1 vernier variable condenser	\$2.00 to \$3.00
1 loop aerial	1.00 to 20.00
2 tube sockets	.50 to 2.00
2 radio frequency transformers	5.00 to 10.00
2 audio frequency transformers	5.00 to 10.00
1 "reflex" crystal detector	.20 to 1.50
1 rheostat	.50 to 1.25
2 fixed (.0025) condensers	.25 to .30
2 fixed (.00025) condensers	.40 to .50
1 7x14 panel	1.25 to 2.00
1 "A" battery	2.00 to 25.00
1 45-volt "B" battery	5.00 to 5.00
2 dozen copper lugs	.10 to .30
8 binding posts	.40 to 1.20
12 feet bus wire	.15 to .30
1 dial	.25 to 2.50
Total price range	\$24.30 to \$75.55

Parts Required.	Price Range.
2 11-plate (.00025) condensers	\$2.00 to \$3.00
2 tubes (catwhisker)	.50 to .50
2 vacuum tube sockets	.50 to 2.00
2 vacuum tubes	7.00 to 10.00
1 400-ohm potentiometer	.50 to 2.25
1 rheostat	.50 to 1.25
1 grid leak	.20 to .75
1 fixed condenser	.20 to .45
1 audio frequency transformer	2.50 to 7.00
1/2 pound No. 22 D. C. wire	.35 to .35
12 feet bus bar	.15 to .30
12 binding posts	.80 to 1.50
2 45-volt "B" batteries	2.50 to 25.00
2 dozen copper lugs	10.00 to 10.00
1 7x14 panel	1.00 to 2.00
2 dials for condensers	.50 to 5.00
Total price range	\$22.70 to \$75.55

Information who builds his own sets are also in the St. Louis Post-Dispatch.

Radio Suit Your Pocketbook

TWO-TUBE CIRCUITS "DISTANCE" AND VOLUME
g Circuits of Tested B With Building Instructions and Guide to Probable Costs

Each of the circuits and have incorporated in the hook-ups of the actual instruments and the schematic of all of the constants of the various instruments in these sets can be depended upon to give results if the diagram and descriptive matter are followed. The standard of wiring applies without deviation to all of these. Use short leads. Avoid parallel wires. Solder all connections, using rosin core solder, avoiding any substance

that will create corrosion. Use a self-sustaining wire for all connections and use spaghetti tubing on "A" and "B" battery connections, where there is possibility of them touching. Test the electrical circuits before putting the tubes in the sockets. This should be done with both "A" and "B" batteries connected in the circuit separately and when hooked up for operation. Try first the "A" battery connected in the circuit, then the "B" battery and then both. In this way you will insure the tubes against burning out from crossed lines.

What It Will Build These

In the cost tables printed in this guide, the construction of the four circuits has been included with the exception of the parts which are not included because they are probably already possessed by the constructor of these circuits. It will be noted that the "Radio Range" two sets of figures are given. The average lowest price at which the parts are generally offered for sale in the stores is indicated by the average of highest prices. These figures are given to enable the constructor to buy the best parts that your pocketbook will give you, and the longer and more consistent you are in buying the parts, the higher because of special prices, the more you will get for the price of the articles. Select goods, and reliable manufacturers and which the dealer's guarantee stands behind.

Parts Required.	Price Range.
2 23-plate variable condensers	\$2.00 to \$10.00
2 tubes	5.00 to 10.00
2 sockets	.50 to 2.00
2 rheostats	1.00 to 3.75
1 switch arm, 5 taps, 2 sizes	.25 to 1.00
1 grid leak	.25 to .75
1 condenser, .00025 mfd.	.40 to .50
1/2 pound of 22 D. C. C. wire	.35 to .38
8 binding posts	.40 to 1.20
2 dozen copper lugs	.10 to .20
1 6-volt storage "A" battery	10.00 to 25.00
2 3 3/4 or 4-inch dial	.20 to 1.20
1 7x14 panel	1.25 to 2.00
12 feet of bus bar	.20 to .30
2 tubing, 3/4 inch diameter	.40 to 2.00
1 45-volt "B" battery	5.00 to 5.00
Total price range	\$20.75 to \$66.10

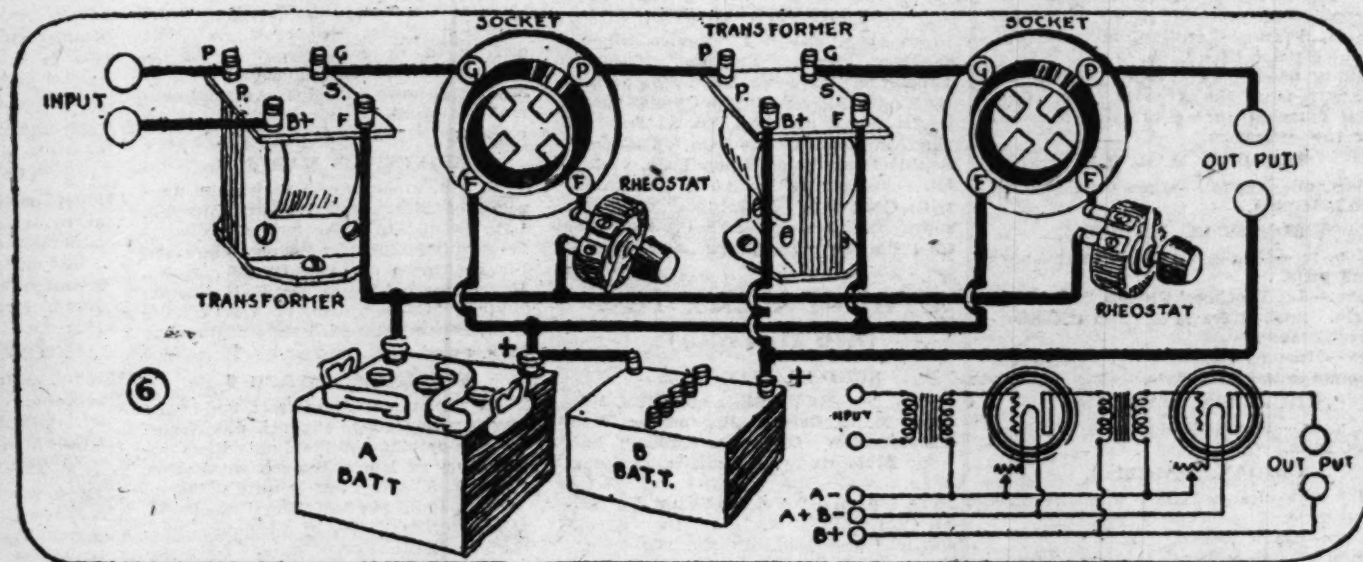
Parts Required.	Price Range.
2 audio transformers	5.00 to \$10.00
2 sockets	.50 to 2.00
2 rheostats	1.00 to 3.75
2 tubes	5.00 to 10.00
1 7x12-inch panel	1.25 to 2.00
8 binding posts	.40 to 1.20
9 feet of bus bar	.20 to .30
1 fixed condenser, .001 mfd.	.45 to .65
Total price range	\$15.65 to \$33.70

Parts Required.	Price Range.
1 Vernier variable 45-plate	\$2.00 to \$3.00
1 loop aerial	1.00 to 20.00
2 tube sockets	.50 to 2.00
2 radio frequency transformers	5.00 to 10.00
2 audio frequency transformers	5.00 to 14.00
1 "reflex" crystal detector	.50 to 1.50
1 rheostat	.50 to 1.55
2 fixed (.0025) condensers	.25 to .30
2 fixed (.00025) condensers	.40 to .50
1 7x14 panel	1.25 to 2.00
1 "A" battery	10.00 to 25.00
1 45-volt "B" battery	5.00 to 5.00
2 dozen copper lugs	.10 to .20
8 binding posts	.40 to 1.20
12 feet bus wire	.20 to .30
1 dial	.25 to 2.50
Total price range	\$24.30 to \$75.55

Parts Required.	Price Range.
2 11-plate (.00025) variable	\$2.00 to \$7.00
2 tubes (cardboard)	.30 to .50
2 vacuum tube sockets	.50 to 2.00
2 vacuum tubes	7.00 to 10.00
1 500-ohm potentiometer	.50 to 2.25
1 rheostat	.50 to 1.55
1 grid leak	.25 to .75
1 fixed condenser (.001)	.20 to .45
1 audio frequency transformer	2.50 to 7.00
1/2 pound No. 22 S. C. C. wire	.35 to .38
12 feet bus bar	.20 to .30
12 binding posts	.40 to 1.20
1 "A" battery	10.00 to 25.00
2 45-volt "B" batteries	5.00 to 10.00
2 dozen copper lugs	.10 to .20
1 7x14 panel	1.00 to 2.00
2 dials for condensers	.50 to 2.50
Total price range	\$32.70 to \$75.55

Informative articles on who builds his own sets are also featured in the Sunday Post-Dispatch.

NO. 6—TWO STEP AUDIO AMPLIFIER



A TWO-STAGE audio frequency amplifier, the means of producing sufficient volume for loud speaker operation, will be the second circuit considered in today's two tube hook-up. Now to get down to business. The picture diagram and the regular schematic diagram give the wiring arrangements more clearly than can be verbally described, so we will devote ourselves to the little wrinkles that insure proper assembly and the avoidance of pitfalls that are likely to spell destruction. The two steps can be assembled in a separate cabinet and used behind any detector unit from a simple crystal to a superheterodyne. In the form shown above it can be very conveniently placed behind a cabinet as small as 6x3 inches.

It can also be incorporated in the same cabinet as the detector and the units ahead of it, which is a standard practice.

The transformers are the first consideration in building this unit. They should be selected from the group on the market which are guaranteed by the manufacturer for both mechanical and electrical efficiency. The first audio transformer should be of the high ratio type—7 to 1, 8 to 1, 9 to 1, or 10 to 1. The transformer for the last stage should be of low ratio, preferably 3 to 1.

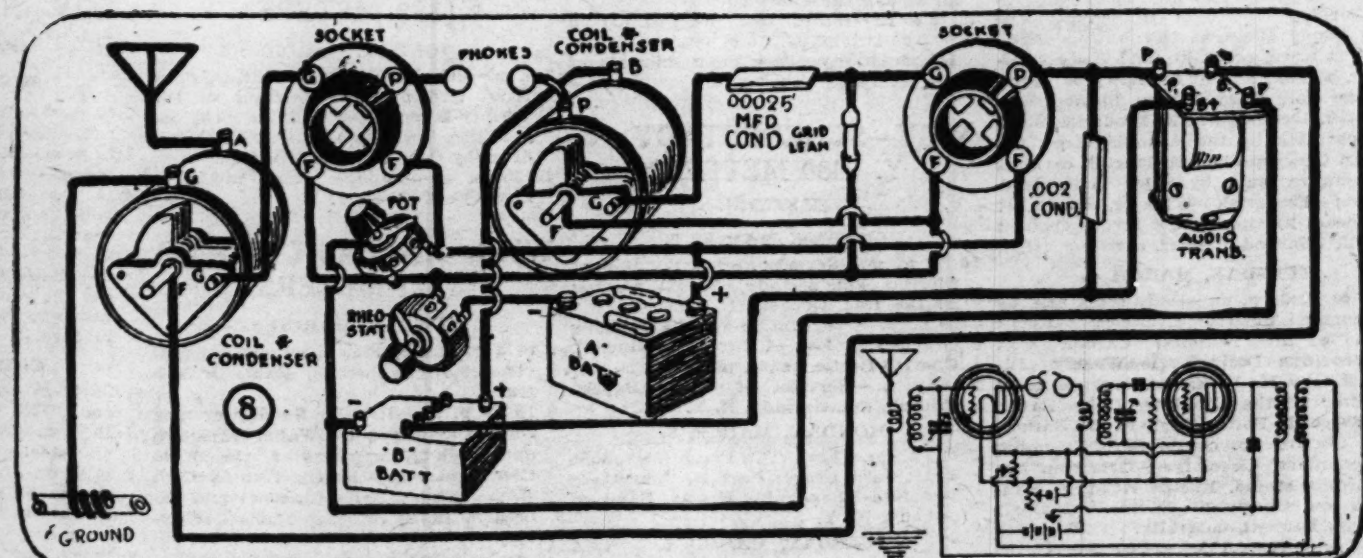
The relative positions of the transformers should be experiment-

ed with so as to eliminate all possibility of interaction between the transformers, which results in a steady squeal. They should be placed about three inches apart and at right angles to each other. If this spacing is impracticable, get them as far apart as is convenient and consistent with the layout and ground the cores of the transformers. If they are of the shielded type ground the shielding. The grid and plate leads from the tubes and transformers should be as short as possible.

Any of the "hard" amplifying tubes may be used in the amplifier and upon the type selected will depend the size and type socket as well as the filament and plate battery values. Using the UV201A or C301A tubes, which give universally satisfactory service, a six-volt storage "A" battery should be used for filament excitation, and the "B" battery voltage should be somewhere between 45 and 90 volts, depending upon the operating characteristics of the tubes. The rheostats for this type tube must have a resistance of between 12 and 20 ohms.

When experimenting with the unit, before inclosing it in a cabinet, try connecting various sized fixed condensers across the primary of the first transformer. These condensers should vary in value from .0005 to .002 mfd. If jacks are desired they may be cut in across the primaries of the first and second transformers.

NO. 8—REFLEX TUNED RADIO FREQUENCY



THE set shown above is one that incorporates a step of tuned radio, an audio detector and a step of audio amplification, effected with two tubes. The first tube is used in the dual capacity of a radio frequency amplifier and also as an audio frequency amplifier. The system employed is known as reflex action. The set to be described has a dependable range of about 1000 miles under normally favorable conditions and is designed primarily for the use of head phones; however, an additional step of audio amplification will make possible the use of the set with a loud speaker.

The tuning coil can be constructed very cheaply from the following specifications: On a piece of 4-inch bakelite tubing 3 inches long, wind seven turns of No. 20 single cotton covered copper wire. This winding should be placed in the center of the coil. A piece of cambric about one inch wide and 12 inches long should then be placed over it and pasted down to keep the winding in place. One end of the wire should be attached to a binding post to be known as the aerial post and the other end to another binding post to serve as the ground connection; they will be at opposite ends of the coil and attached to the tubing about 1/4 of an inch from the top and bottom. This coil is the primary of the unit. The secondary coil, which consists of 63 turns of the same size wire as is used for the primary, is then wound on the cylinder, starting at the aerial end and winding it in the same direction as that of the primary—clockwise. The beginning and end of the secondary coil are anchored conveniently to the tubing. An 11-plate variable condenser

(.00025 mfd.) can then be mounted inside the tubing and the ends of the secondary coil then connected across the condenser. The condenser tunes the secondary winding.

The second coil is made similarly and is used as a tuned radio frequency transformer.

This set will operate very efficiently with UV99 tubes or UV201A if the proper resistance rheostat is used with the tubes; the 199 tubes and the UV201A tubes necessitating the use of a 30-ohm resistance for filament regulation.

The potentiometer used must have a variable resistance of 400 ohms. The grid leak recommended is a variable type leak, with a range of from 1-10 to 5 megohms. The grid condenser is of the mica construction, with a capacity of .00025 mfd. It is advisable to use two rheostats, to control the tubes, separately, so that the proper filament current can be applied to cater to the best operating values of the individual tube. We have shown the layout with but one rheostat as a matter of economy. The best results, however, will be obtained by using separate filament controls for each tube. The value of the fixed condenser shunted across the audio transformer is .001 mfd.

Make all the connections as short as possible and avoid the paralleling of the longer leads. Wherever possible, run them at right angles to each other.

The audio transformer that gives the best results with this circuit should have a ratio in the neighborhood of 5.5 to 1.

RADIO PROGRAMS for the WEEK—Continued

SATURDAY, MARCH 8.
6 to 7—Marketgram, weather forecast, time signal and road report; address: Edgar A. Linton, twelfth of a series of travelogues; the children's story and information period; music, Fritz Hanlein's Trio Ensemble, Hotel Muehlbach.
11:45 p. m. to 1 a. m.—Nighthawk frolic.

WDA—PHILADELPHIA, PA. (395 METERS)

SUNDAY, MARCH 9.
2 to 4 p. m.—Sunday afternoon musical program by the Arcadia Cafe Concert Orchestra, under the direction of Feri Sarkoz, director.

MONDAY, MARCH 10.

7:50 p. m.—Moving picture review by James A. Nassau.
8 p. m.—Opera talk by Samuel Lachar of the Evening Public Ledger. Excerpts from the opera by Thaddeus Rich; Francis Laplante, Miss McClellan, Square Glee Club.
10:10 p. m.—Howard Lanin's Dance Orchestra from the Arcadia Cafe. Special features during the intermissions of the orchestra.

TUESDAY, MARCH 11.

8:15 p. m.—Vernon Dance Orchestra of Philadelphia.

WEDNESDAY, MARCH 12.

7:30 p. m.—Dream Daddy with the boys and girls.
8 p. m.—Lit Brothers' Chorus, Melodique Trio. Special features from the Stanley Theater.
10:10 p. m.—Howard Lanin's Dance Orchestra from the Arcadia Cafe.

THURSDAY, MARCH 13.

7:30 p. m.—Dream Daddy with the boys and girls.

FRIDAY, MARCH 14.

7:30 p. m.—Dream Daddy with the boys and girls.
8 p. m.—Book review.
8:10 p. m.—Poets and Authors' Corner.
8:30 p. m.—Sicilian Trio recital. Playlet.
10:10 p. m.—Howard Lanin's Dance Orchestra from the Arcadia Cafe. Special features from the studio during the intermissions. Harry Glyn and other stars from the leading musical show now playing in Philadelphia.
SATURDAY, MARCH 15.
7:30 p. m.—Dream Daddy with the boys and girls.

WEAF—NEW YORK, N. Y. (429 METERS)

SUNDAY, MARCH 9.
7:30 to 9 p. m.—Special music program direct from the Capitol Theater, New York City.
9 to 10 p. m.—Organ recital direct from the studio of the Skinner Organ Co., New York City.

MONDAY, MARCH 10.

7:10 to 11 p. m.—Personally chat by Nanette Kutner and Mary Eaton, well-known actresses. Daily sport talk by Thornton Fisher; "A Girl's Experience at Stony Wold in the Adirondacks." Edna Korn, contralto, and Hedy Spelster, pianist; talk by the lawyers' Mortgage Co. Dora Damon Farde, contralto, accompanied by Frederick Shattuck; talk by the Ansonia Clock Co. Dan Gregory and his dancing carnival orchestra; talk by Sals Literature, Inc.; Frederick Wheeler, baritone; concert by the Mozart String Quartet with Winifred T. Barr, assisting artist.
TUESDAY, MARCH 11.
7:30 to 10:30 p. m.—Daily sport talk by Thornton Fisher; "Eveready Battery" trio of the National Carbon Co.; "Brooklyn Daily Eagle Weekly Digest" by H. V. Kalkenborn, associate editor of the Brooklyn Daily Eagle; "Eveready Battery" trio of the National Carbon Co. continued; "Columbia Records" direct from Columbia Recording studio. Lucille Nessler, pianist, and Charlotte Nadler, violinist; Mary Bennett, contralto.
WEDNESDAY, MARCH 12.
7 to 10:30 p. m.—Religious services under the auspices of the United Synagogue of America; daily sport talk by Thornton Fisher; duets by Dorothy Bergala, contralto, and Carrie De Vos, dramatic soprano. Second of a series of 10 lectures on "Practical American Politics" by Mr. Schuyler C. Wallace of Columbia University under the auspices of the Home Study course of Columbia University. Louise Flanagan, pianist; talk by American Bond and Mortgage Co.; Raymond Parker, baritone; Adam Carroll, recording pianist; Quinto E. Magnani, flutist. Concert by the Brooklyn Edison Orchestra.
THURSDAY, MARCH 13.
4 to 5:30 p. m.—Henri Berchman's Symphonic Dance Orchestra; Helen Sibley, soprano.
7 to 11 p. m.—Midweek services under the auspices of the New York Federation of Churches. Daily sport talk by Thornton Fisher; Samuel Furedi, cellist; Edna Fielda, mezzo contralto, accompanied by Mrs. Henry C. Schultz.

complicated by Mrs. Henry C. Schultz. Talk by the Bank of America. Concert direct from Hunter College, under the auspices of the Adolph Lewisohn free public course in chamber music; "Columbia Records" direct from Columbia Recording studio. Talk by Walker G. Winne, district attorney for State of New Jersey. The Phonograph Trio—popular songs; Alexander Chigrinsky, concert pianist.
FRIDAY, MARCH 14.
7:30 to 10:30 p. m.—Daily sport talk by Thornton Fisher; "Spells Ashton Sparks, dramatic soprano and Peter Bogart Sparks, pianist; battery instruction talk by George C. Furness, head of radio division of the National Carbon Co.; "The Happiness Boys," Billy Jones and Ernest Hare; talk by the Joint Coffee Trades Publicity Committee; B. Fischer & Co.'s "Astor Coffee" dance orchestra; Stellar male quartet.
SATURDAY, MARCH 15.
7:30 to 11 p. m.—Evan Davies, impersonator; Mmes. Sussanne Gallien, French mezzo contralto, accompanied by Yvette Bruyere; "The Chiclet Quartet," assisted by "The Chiclet Trio" of the American Chicle Co. Talk by Sophie Irene Leeb; Anna Daly, violinist, accompanied by Anita Postaine, with Genevieve McKenna, dramatic soprano; Lawrence Ballou, baritone; Carl Theodore Saul, pianist-composer.

WFAA—DALLAS, TEX. (476 METERS)**SUNDAY, MARCH 9.**

6 to 7 p. m.—Radio Bible class, Dr. William M. Anderson Jr., pastor First Presbyterian Church, teacher; half hour Bible study and half hour gospel song.
7:30 to 9 p. m.—Service of First Unitarian Church, Dr. M. L. Sullivan speaking; choir and soloists in music.
9:30 to 11 p. m.—"Harmonia Brothers" Orchestra in popular music program.

MONDAY, MARCH 10.

8:30 to 9:30—Texas Independence day celebration by alumni of University of Texas, held at the Oriental Hotel and broadcast from that dining room.
TUESDAY, MARCH 11.
8:30 to 9:30—Recital by Mozart Choral Club, Earle D. Behrends, director.
11 to 12—Hawaiian song and instrumental music by Misses Edith and Grace MacDowell.
WEDNESDAY, MARCH 12.
8:30 to 9:30—Musical recital by A. Harris & Co.'s Orchestra.
THURSDAY, MARCH 13.
8:30 to 9:30—Faculty recital, Southern University, music department.
FRIDAY, MARCH 14.
8:30 to 9:30—Musical recital presenting Frank Renaud, pianist, second in a series of recitals culminating in a massed piano concert.
11:30 to 12—Dance music program played by the Adolphus Hotel Orchestra and broadcast from the junior ballroom of the Adolphus.

WGY—SCHENECTADY, N. Y. (380 METERS)**EASTERN.****SUNDAY, MARCH 9.**

10:30 a. m.—Service of First Baptist Church, Schenectady, N. Y.; sermon by the Rev. Gordon H. Baker.
8:30 p. m.—Program by WGY Symphony Orchestra. Leo Kliwos, conductor; Charles Bartle, tenor, assisting.
7:30 p. m.—Service of First Baptist Church, Schenectady, N. Y.
MONDAY, MARCH 10.
7:45 p. m.—Part I: Piano selections by Renard Berge; Part II, Concert by the Kaa-Rheu-Yahn Grotto Band of Albany, N. Y.
TUESDAY, MARCH 11.
7:45 p. m.—Selections by WGY Orchestra; Mrs. L. Garland Coons, soprano; Ruth M. Kingsbury, pianist; Alice Dutton, contralto; address, "The Super-Heterodyne Receiver," by R. H. Langley, radio engineer of the General Electric Co.
WEDNESDAY, MARCH 12.
6:30 p. m.—Adventure story, courtesy of Youth's Companion.
THURSDAY, MARCH 13.
7:35 p. m.—"A Few Moments With New Books" by William Jacob, Librarian of General Electric Co.; program by Albany Central Y. M. C. A. Orchestra and Glee Club; address by General Secretary Frank L. Howe Jr. on "The Y. M. C. A. and the Community."
FRIDAY, MARCH 14.
7 to 7:45 p. m.—Romantic drama, "If I Were King," by Justin Huntley McCarthy, presented by WGY players.
10:30 p. m.—Special program of addresses and music.
SATURDAY, MARCH 15.
9:30 p. m.—Dance music by Romano's

WHAS—LOUISVILLE, KY. (400 METERS)**SUNDAY, MARCH 9.**

9:57 a. m.—Organ music.
10 a. m.—Church service under the auspices of the Fourth Avenue Presbyterian Church, Rev. Charles W. Welch, pastor; William E. Cohen, organist and choir director; Mrs. Douglas Webb, soprano; Mrs. Virginia Shafer Herriek, contralto; William Layne Vick, tenor; Peter Schlicht, baritone.
4 to 5 p. m.—Concert under the auspices of Miss Sara Lee.
MONDAY, MARCH 10.
7:30 to 9 p. m.—WHAS is silent on Monday nights.
TUESDAY, MARCH 11.
7:30 to 9 p. m.—Full concert under the direction of Mrs. Robert K. Van Pelt of New Albany, Ind. Reading: "An Interesting Historical Episode." Late important news bulletins. Official central standard time announced at 9 o'clock.
WEDNESDAY, MARCH 12.
7:30 to 9 p. m.—Concert under the auspices of Mrs. Jane Webster Murrell. Late important news bulletins. Twenty-minute concert by Barney Rapp and his orchestra of the Brown Hotel. Four-minute address, Dr. B. F. Foster; subject, "Conservation of Vision." Official central standard time announced at 9 o'clock.
THURSDAY, MARCH 13.
7:30 to 9 p. m.—Full concert under the auspices of George Piggett, director of the senior class of the Louisville Conservatory of Music. Instrumental solos, Clem A. Elliott. Four-minute digest of International Sunday School lesson, W. O. Carver, professor of missions. Four-minute Radio Forum talk. Late important news bulletins. Official central standard time announced at 9 o'clock.

WJAZ—CHICAGO, ILL. (455 METERS)**SUNDAY, MARCH 9.**

6:00 p. m. to 9:00 p. m.—Contra-basso standard time announced at 9 o'clock.
TUESDAY, MARCH 11.
10:00 p. m. to 1:00 a. m.—Musical program with soprano solos, trio and by Oriole Orchestra.
SUNDAY, MARCH 9.
6:00 p. m. to 9:00 p. m.—Contra-basso standard time announced at 9 o'clock.
TUESDAY, MARCH 11.
10:00 p. m. to 1:00 a. m.—Musical program including solos and duets, zithers and pianos. Contralto, prano numbers and Oriole Orchestra. Rudolph and Anton Wack, pianists. Bond, Mrs. William de Wack, pianist. Blanche Keyser.
WEDNESDAY, MARCH 12.
10:00 p. m. to 1:00 a. m.—Laura T. soprano; Frances Quisenberry, contralto; Graydon Clark, baritone, Oriole Orchestra.
THURSDAY, MARCH 13.
10:00 p. m. to 1:00 a. m.—Colonial ensembles, Schubert Vocal Quartet, Edmund Zygmant, violinist, and Oriole Orchestra.
FRIDAY, MARCH 14.
10:00 p. m. to 1:00 a. m.—Oriole Orchestra.
SATURDAY, MARCH 15.
10:00 p. m. to 1:00 a. m.—Indiana Quartet in novelty numbers and time songs. Helen Spith, Oriole Orchestra.

WJAX—CLEVELAND, OH. (390 METERS)**TUESDAY, MARCH 11.**

8:15 p. m.—First act "Vanities of the World."
THURSDAY, MARCH 13.
8 p. m.—Songs by the Singers' Club, Cleveland, group of numbers by Music Committee of the Cleveland Federation of Women's Clubs; Leonard deGant, violinist; Charles J. guitar, and Mrs. Elta Muser, contralto; traveltalk by Capt. Edgar Morris.
WJY—NEW YORK, N. Y. (405 METERS)

SUNDAY, MARCH 9.

7:30 p. m.—Radio Bible class; Bible lesson, address and musical program by Rev. J. K. Kiffin, pastor, Trinity Episcopal Church.
8:30 p. m.—Kiffin Trio, "cello, violin and piano."
10:15 p. m.—Joint recital by Rose A. vello, soprano, and Harold G. tenor.
8:15 p. m.—Sunday evening concert by the Hotel Commodore Orchestra, under the personal direction of Bernard Levittow, direct from the Hotel Commodore.
TUESDAY, MARCH 11.
7:30 p. m.—Readings from Robert Frost, "Life and Letters."
7:50 p. m.—William Manner, musician and steel guitar.
8:05 p. m.—"Broadcasting Broadway" review of current plays and plays by Bertha Brainerd.
8:20 p. m.—"Human Nature in Advertising," by Bruce Barton, a University of the Air talk.
8:35 p. m.—Popular program by New Orleans Orchestra.
8:15 p. m.—Lectures: "Protein Food," E. H. Smith; "Advances of Insulated Houses," Howard Ham Hayward, U. S. District Attorney given by the presidential appointee of the New York district, direct from the Grand Ball Room of the Waldorf-Astoria Hotel.
THURSDAY, MARCH 13.
7:30 p. m.—Burr McIntosh, the philosopher.
7:50 p. m.—Marion Christian, soprano.
8:05 p. m.—"Golf," by Ina E. Brown, editor of the American Golfer.
8:20 p. m.—Marion Christian, soprano.
8:30 p. m.—"Simplicity Simplicity," by Janet.
9 p. m.—Mayor Hylan's People's Concert.
10 p. m.—Theresa Obermaier, pianist.
FRIDAY, MARCH 14.
7:35 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olin.
8 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olin.

WHAZ—TROY, N. Y. (380 METERS)**MONDAY, MARCH 10.**

9 p. m.—One Hundred and Fifth Infantry Band and overseas veterans of the Twenty-seventh Division in program recalling the days of the A. E. F. Address by Col. Ransom H. Gillett.
10:30 p. m.—Popular dance music by Hartley's Orchestra.
WHB—KANSAS CITY, MO. (411 METERS)

SUNDAY, MARCH 9.

2 to 3 p. m.—Sunday afternoon musical concert by the Sweeney Radio Orchestra.
8 to 10 p. m.—Regular Sunday evening service arranged by Walter E. Dahl and given by members of the First Congregational Church, Kansas City, Kan. Second half—Classical and sacred music by Sweeney Radio Orchestra.
SUNDAY MIDNIGHT PROGRAM.
A one-hour program for the listeners in the extreme West. Musical program by the Sweeney Radio Orchestra with acknowledgments of the longest distance reports received during the week.
MONDAY, MARCH 10.
7:30 p. m.—Educational program especially for the younger folks, given by Miss Lenore Anthony, courtesy of the Book of Knowledge.
TUESDAY, MARCH 11.
8 to 10 p. m.—Program presented by the Ophelia Male Quartet. C. H. Gibson, first tenor; T. E. Bottenberg, second tenor; H. F. Ritcher, first bass; W. T. Garrett, second bass; E. H. Headley, accompanist. Assisted by Miss Dorothy Holbert, pianist; Mr. Edward Wolberg, violinist, and Sweeney Radio Orchestra.
WEDNESDAY, MARCH 12.
7 to 7:45 p. m.—Popular musical program given by the Sweeney Radio Orchestra.

THURSDAY, MARCH 13.
8 to 10 p. m.—Old Folks' program arranged by Miss Lena Kaiter, assisted by Mrs. Otella Miller, contralto; Mrs. C. M. Lord, soprano; E. K. Knickerbocker, baritone; Miss Lenore Lemons, pianist, accompanist. Quartet accompanied by Miss Edna Forsythe. Program includes varied music by Sweeney Radio Orchestra.
FRIDAY, MARCH 14.
7 to 7:45 p. m.—Popular selected by the Sweeney Radio Orchestra, radio talk by John T. Sweeney, Radio Station WHB.
SATURDAY, MARCH 15.
Silent night.

WJAZ—CHICAGO, ILL. (455 METERS)**SUNDAY, MARCH 9.**

6:00 p. m. to 9:00 p. m.—Contra-basso standard time announced at 9 o'clock.
TUESDAY, MARCH 11.
10:00 p. m. to 1:00 a. m.—Musical program with soprano solos, trio and by Oriole Orchestra.
SUNDAY, MARCH 9.
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WJY—NEW YORK, N. Y. (405 METERS)

SUNDAY, MARCH 9.

7:30 p. m.—Radio Bible class; Bible lesson, address and musical program by Rev. J. K. Kiffin, pastor, Trinity Episcopal Church.
8:30 p. m.—Kiffin Trio, "cello, violin and piano."
10:15 p. m.—Joint recital by Rose A. vello, soprano, and Harold G. tenor.
8:15 p. m.—Sunday evening concert by the Hotel Commodore Orchestra, under the personal direction of Bernard Levittow, direct from the Hotel Commodore.
TUESDAY, MARCH 11.
7:30 p. m.—Readings from Robert Frost, "Life and Letters."
7:50 p. m.—William Manner, musician and steel guitar.
8:05 p. m.—"Broadcasting Broadway" review of current plays and plays by Bertha Brainerd.
8:20 p. m.—"Human Nature in Advertising," by Bruce Barton, a University of the Air talk.
8:35 p. m.—Popular program by New Orleans Orchestra.
8:15 p. m.—Lectures: "Protein Food," E. H. Smith; "Advances of Insulated Houses," Howard Ham Hayward, U. S. District Attorney given by the presidential appointee of the New York district, direct from the Grand Ball Room of the Waldorf-Astoria Hotel.
THURSDAY, MARCH 13.
7:30 p. m.—Burr McIntosh, the philosopher.
7:50 p. m.—Marion Christian, soprano.
8:05 p. m.—"Golf," by Ina E. Brown, editor of the American Golfer.
8:20 p. m.—Marion Christian, soprano.
8:30 p. m.—"Simplicity Simplicity," by Janet.
9 p. m.—Mayor Hylan's People's Concert.
10 p. m.—Theresa Obermaier, pianist.
FRIDAY, MARCH 14.
7:35 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olin.
8 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olin.

WHAS—LOUISVILLE, KY. (400 METERS)**SUNDAY, MARCH 9.**

9:57 a. m.—Organ music.
10 a. m.—Church service under the auspices of the Fourth Avenue Presbyterian Church, Rev. Charles W. Welch, pastor; William E. Cohen, organist and choir director; Mrs. Douglas Webb, soprano; Mrs. Virginia Shafer Herriek, contralto; William Layne Vick, tenor; Peter Schlicht, baritone.
4 to 5 p. m.—Concert under the auspices of Miss Sara Lee.
MONDAY, MARCH 10.
7:30 to 9 p. m.—WHAS is silent on Monday nights.
TUESDAY, MARCH 11.
7:30 to 9 p. m.—Full concert under the direction of Mrs. Robert K. Van Pelt of New Albany, Ind. Reading: "An Interesting Historical Episode." Late important news bulletins. Official central standard time announced at 9 o'clock.
WEDNESDAY, MARCH 12.
7:30 to 9 p. m.—Concert under the auspices of Mrs. Jane Webster Murrell. Late important news bulletins. Twenty-minute concert by Barney Rapp and his orchestra of the Brown Hotel. Four-minute address, Dr. B. F. Foster; subject, "Conservation of Vision." Official central standard time announced at 9 o'clock.
THURSDAY, MARCH 13.
7:30 to 9 p. m.—Full concert under the auspices of George Piggett, director of the senior class of the Louisville Conservatory of Music. Instrumental solos, Clem A. Elliott. Four-minute digest of International Sunday School lesson, W. O. Carver, professor of missions. Four-minute Radio Forum talk. Late important news bulletins. Official central standard time announced at 9 o'clock.

WJAZ—CHICAGO, ILL. (455 METERS)**SUNDAY, MARCH 9.**

6:00 p. m. to 9:00 p. m.—Contra-basso standard time announced at 9 o'clock.
TUESDAY, MARCH 11.
10:00 p. m. to 1:00 a. m.—Musical program with soprano solos, trio and by Oriole Orchestra.
SUNDAY, MARCH 9.
6:00 p. m. to 9:00 p. m.—Contra-basso standard time announced at 9 o'clock.
TUESDAY, MARCH 11.
10:00 p. m. to 1:00 a. m.—Musical program including solos and duets, zithers and pianos. Contralto, prano numbers and Oriole Orchestra. Rudolph and Anton Wack, pianists. Bond, Mrs. William de Wack, pianist. Blanche Keyser.
WEDNESDAY, MARCH 12.
10:00 p. m. to 1:00 a. m.—Laura T. soprano; Frances Quisenberry, contralto; Graydon Clark, baritone, Oriole Orchestra.
THURSDAY, MARCH 13.
10:00 p. m. to 1:00 a. m.—Colonial ensembles, Schubert Vocal Quartet, Edmund Zygmant, violinist, and Oriole Orchestra.
FRIDAY, MARCH 14.
10:00 p. m. to 1:00 a. m.—Oriole Orchestra.
SATURDAY, MARCH 15.
10:00 p. m. to 1:00 a. m.—Indiana Quartet in novelty numbers and time songs. Helen Spith, Oriole Orchestra.

WJAX—CLEVELAND, OH. (390 METERS)**TUESDAY, MARCH 11.**

8:15 p. m.—First act "Vanities of the World."
THURSDAY, MARCH 13.
8 p. m.—Songs by the Singers' Club, Cleveland, group of numbers by Music Committee of the Cleveland Federation of Women's Clubs; Leonard deGant, violinist; Charles J. guitar, and Mrs. Elta Muser, contralto; traveltalk by Capt. Edgar Morris.
WJY—NEW YORK, N. Y. (405 METERS)

SUNDAY, MARCH 9.

7:30 p. m.—Radio Bible class; Bible lesson, address and musical program by Rev. J. K. Kiffin, pastor, Trinity Episcopal Church.
8:30 p. m.—Kiffin Trio, "cello, violin and piano."
10:15 p. m.—Joint recital by Rose A. vello, soprano, and Harold G. tenor.
8:15 p. m.—Sunday evening concert by the Hotel Commodore Orchestra, under the personal direction of Bernard Levittow, direct from the Hotel Commodore.
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7:30 p. m.—Readings from Robert Frost, "Life and Letters."
7:50 p. m.—William Manner, musician and steel guitar.
8:05 p. m.—"Broadcasting Broadway" review of current plays and plays by Bertha Brainerd.
8:20 p. m.—"Human Nature in Advertising," by Bruce Barton, a University of the Air talk.
8:35 p. m.—Popular program by New Orleans Orchestra.
8:15 p. m.—Lectures: "Protein Food," E. H. Smith; "Advances of Insulated Houses," Howard Ham Hayward, U. S. District Attorney given by the presidential appointee of the New York district, direct from the Grand Ball Room of the Waldorf-Astoria Hotel.
THURSDAY, MARCH 13.
7:30 p. m.—Burr McIntosh, the philosopher.
7:50 p. m.—Marion Christian, soprano.
8:05 p. m.—"Golf," by Ina E. Brown, editor of the American Golfer.
8:20 p. m.—Marion Christian, soprano.
8:30 p. m.—"Simplicity Simplicity," by Janet.
9 p. m.—Mayor Hylan's People's Concert.
10 p. m.—Theresa Obermaier, pianist.
FRIDAY, MARCH 14.
7:35 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olin.
8 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olin.

WHAS—LOUISVILLE, KY. (400 METERS)**SUNDAY, MARCH 9.**

9:57 a. m.—Organ music.
10 a. m.—Church service under the auspices of the Fourth Avenue Presbyterian Church, Rev. Charles W. Welch, pastor; William E. Cohen, organist and choir director; Mrs. Douglas Webb, soprano; Mrs. Virginia Shafer Herriek, contralto; William Layne Vick, tenor; Peter Schlicht, baritone.
4 to 5 p. m.—Concert under the auspices of Miss Sara Lee.
MONDAY, MARCH 10.
7:30 to 9 p. m.—WHAS is silent on Monday nights.
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7:30 to 9 p. m.—Full concert under the direction of Mrs. Robert K. Van Pelt of New Albany, Ind. Reading: "An Interesting Historical Episode." Late important news bulletins. Official central standard time announced at 9 o'clock.
WEDNESDAY, MARCH 12.
7:30 to 9 p. m.—Concert under the auspices of Mrs. Jane Webster Murrell. Late important news bulletins. Twenty-minute concert by Barney Rapp and his orchestra of the Brown Hotel. Four-minute address, Dr. B. F. Foster; subject, "Conservation of Vision." Official central standard time announced at 9 o'clock.
THURSDAY, MARCH 13.
7:30 to 9 p. m.—Full concert under the auspices of George Piggett, director of the senior class of the Louisville Conservatory of Music. Instrumental solos, Clem A. Elliott. Four-minute digest of International Sunday School lesson, W. O. Carver, professor of missions. Four-minute Radio Forum talk. Late important news bulletins. Official central standard time announced at 9 o'clock.

WJAZ—CHICAGO, ILL. (455 METERS)**SUNDAY, MARCH 9.**

6:00 p. m. to 9:00 p. m.—Contra-basso standard time announced at 9 o'clock.
TUESDAY, MARCH 11.
10:00 p. m. to 1:00 a. m.—Musical program with soprano solos, trio and by Oriole Orchestra.
SUNDAY, MARCH 9.
6:00 p. m. to 9:00 p. m.—Contra-basso standard time announced at 9 o'clock.
TUESDAY, MARCH 11.
10:00 p. m. to 1:00 a. m.—Musical program including solos and duets, zithers and pianos. Contralto, prano numbers and Oriole Orchestra. Rudolph and Anton Wack, pianists. Bond, Mrs. William de Wack, pianist. Blanche Keyser.
WEDNESDAY, MARCH 12.
10:00 p. m. to 1:00 a. m.—Laura T. soprano; Frances Quisenberry, contralto; Graydon Clark, baritone, Oriole Orchestra.
THURSDAY, MARCH 13.
10:00 p. m. to 1:00 a. m.—Colonial ensembles, Schubert Vocal Quartet, Edmund Zygmant, violinist, and Oriole Orchestra.
FRIDAY, MARCH 14.
10:00 p. m. to 1:00 a. m.—Oriole Orchestra.
SATURDAY, MARCH 15.
10:00 p. m. to 1:00 a. m.—Indiana Quartet in novelty numbers and time songs. Helen Spith, Oriole Orchestra.

WJAX—CLEVELAND, OH. (390 METERS)**TUESDAY, MARCH 11.**

8:15 p. m.—First act "Vanities of the World."
THURSDAY, MARCH 13.
8 p. m.—Songs by the Singers' Club, Cleveland, group of numbers by Music Committee of the Cleveland Federation of Women's Clubs; Leonard deGant, violinist; Charles J. guitar, and Mrs. Elta Muser, contralto; traveltalk by Capt. Edgar Morris.
WJY—NEW YORK, N. Y. (405 METERS)

SUNDAY, MARCH 9.

7:30 p. m.—Radio Bible class; Bible lesson, address and musical program by Rev. J. K. Kiffin, pastor, Trinity Episcopal Church.
8:30 p. m.—Kiffin Trio, "cello, violin and piano."
10:15 p. m.—Joint recital by Rose A. vello, soprano, and Harold G. tenor.
8:15 p. m.—Sunday evening concert by the Hotel Commodore Orchestra, under the personal direction of Bernard Levittow, direct from the Hotel Commodore.
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7:50 p. m.—William Manner, musician and steel guitar.
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8:20 p. m.—"Human Nature in Advertising," by Bruce Barton, a University of the Air talk.
8:35 p. m.—Popular program by New Orleans Orchestra.
8:15 p. m.—Lectures: "Protein Food," E. H. Smith; "Advances of Insulated Houses," Howard Ham Hayward, U. S. District Attorney given by the presidential appointee of the New York district, direct from the Grand Ball Room of the Waldorf-Astoria Hotel.
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7:30 p. m.—Burr McIntosh, the philosopher.
7:50 p. m.—Marion Christian, soprano.
8:05 p. m.—"Golf," by Ina E. Brown, editor of the American Golfer.
8:20 p. m.—Marion Christian, soprano.
8:30 p. m.—"Simplicity Simplicity," by Janet.
9 p. m.—Mayor Hylan's People's Concert.
10 p. m.—Theresa Obermaier, pianist.
FRIDAY, MARCH 14.
7:35 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olin.
8 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olin.

WHAS—LOUISVILLE, KY. (400 METERS)**SUNDAY, MARCH 9.**

9:57 a. m.—Organ music.
10 a. m.—Church service under the auspices of the Fourth Avenue Presbyterian Church, Rev. Charles W. Welch, pastor; William E. Cohen, organist and choir director; Mrs. Douglas Webb, soprano; Mrs. Virginia Shafer Herriek, contralto; William Layne Vick, tenor; Peter Schlicht, baritone.
4 to 5 p. m.—Concert under the auspices of Miss Sara Lee.
MONDAY, MARCH 10.
7:30 to 9 p. m.—WHAS is silent on Monday nights.
TUESDAY, MARCH 11.
7:30 to 9 p. m.—Full concert under the direction of Mrs. Robert K. Van Pelt of New Albany, Ind. Reading: "An Interesting Historical Episode." Late important news bulletins. Official central standard time announced at 9 o'clock.
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7:30 to 9 p. m.—Concert under the auspices of Mrs. Jane Webster Murrell. Late important news bulletins. Twenty-minute concert by Barney Rapp and his orchestra of the Brown Hotel. Four-minute address, Dr. B. F. Foster; subject, "Conservation of Vision." Official central standard time announced at 9 o'clock.
THURSDAY, MARCH 13.
7:30 to 9 p. m.—Full concert under the auspices of George Piggett, director of the senior class of the Louisville Conservatory of Music. Instrumental solos, Clem A. Elliott. Four-minute digest of International Sunday School lesson, W. O. Carver, professor of missions. Four-minute Radio Forum talk. Late important news bulletins. Official central standard time announced at 9 o'clock.

RADIO PROGRAMS

Frank Shaffer, banjo.
The Hon. Julius Berg, "The of the New York Assembly."
Richard Douglas, "Songs of the U.S."
The Vegetable Garden.
Bread and Tobias; Vincent
Concert arranged by Camp-
Wanda.

WJAZ—NEW YORK, N. Y. (455 METERS)

WEEK—Continued RADIO PROGRAMS for the WEEK—Continued

Hotel, Al-
NY.
8 to 10 p. m.—Old Folks program, arranged by Miss Lena Katarina, assisted by Mrs. Otella Miller, contralto; Mr. C. M. Lord, tenor; E. K. Knickerbocker, baritone; Vincent Miss Lenore Lemons, pianist; and Miss Edna Forsythe. Program will include varied music by Sweeney Howard Orchestra.

FRIDAY, MARCH 1.
7 to 7:45 p. m.—Popular selected music by the Sweeney Howard Orchestra, radio talk by John T. Schilling, Radio Station WHB.
SATURDAY, MARCH 2.
Silent night.

WJAZ—CHICAGO, ILL.
SATURDAY, MARCH 1.
10:00 p. m. to 1:00 a. m.—Musical program with soprano solos, trio numbers and by Oriole Orchestra.

SUNDAY, MARCH 2.
6:00 p. m. to 9:00 p. m.—Contra to instrumental numbers and Oriole Orchestra.
TUESDAY, MARCH 4.
10:00 p. m. to 1:00 a. m.—Musical program including solos and duets, zithers and piano. Contralto, soprano numbers and Oriole Orchestra. Rudolph and Anton Wack, pianists; Bond, Mrs. William de Windt and Blanche Koyser.

WEDNESDAY, MARCH 5.
10:00 p. m. to 1:00 a. m.—Laura Turner, soprano; Frances Quackenbush, tenor; Graydon Clark, baritone, and Oriole Orchestra.
THURSDAY, MARCH 6.
10:00 p. m. to 1:00 a. m.—Colonial Ensembles, Schubert Vocal Quartet, Edmund Zygmunt, violinist, and Oriole Orchestra.

FRIDAY, MARCH 7.
10:00 p. m. to 1:00 a. m.—Oriole Orchestra.
SATURDAY, MARCH 8.
10:00 p. m. to 1:00 a. m.—Indiana Quartet in novelty numbers and duets, time songs. Helen Smith, soprano, Oriole Orchestra.

WJAX—CLEVELAND, O.
(390 METERS)
TUESDAY, MARCH 4.
8:15 p. m.—First act "Vanities of 1924."
THURSDAY, MARCH 6.
8 p. m.—Songs by the Singers' Club of Cleveland, group of numbers by the Cleveland Committee of the Cleveland Federation of Women's Clubs; Howard deClant, violinist; Charles Lewis, guitarist, and Mrs. Etta Munser, pianist; traveltalk by Capt. Kilroy Harrison.

WJY—NEW YORK, N. Y.
(405 METERS)
SUNDAY, MARCH 2.
2:30 p. m.—Radio Bible class; Bible lesson, address, and musical program.
3:30 p. m.—Kiffen Trio, cello, viola and piano.
4:15 p. m.—Joint recital by Ross A. Bravette, soprano, and Harold G. Bravette, tenor.

8:15 p. m.—Sunday evening concert by the Hotel Commodore Orchestra, under the personal direction of Bernhard Levittow, direct from the Hotel Commodore.
TUESDAY, MARCH 4.
7:30 p. m.—Readings from Robert Browning, "Life and Letters."
7:50 p. m.—William Munser, musical and steel guitar.
8:05 p. m.—"Broadcasting Broadway," review of current plays and plays by Bertha Brainerd.
8:20 p. m.—"Human Nature in Advertising," by Bruce Barton, a University of the Air talk.

8:35 p. m.—Popular program by First New Orleans Orchestra.
8:50 p. m.—Dinner in honor of Col. William Hayward, U. S. District Attorney, given by the presidential appointees from the New York district, direct from the Grand Ball Room of the Waldorf-Astoria.
THURSDAY, MARCH 6.
7:30 p. m.—Burr McIntosh, the cheerful philosopher.
7:50 p. m.—Marion Christian, soprano.
8:05 p. m.—"Golf," by Inna Brown, editor of the American Golfer.
8:20 p. m.—Marion Christian, soprano.
8:35 p. m.—"Simp or Simpatico," playlet.

9 p. m.—Mayor Hylan's People's Concert.
9:15 p. m.—Theresa Obermeier, pianist.
FRIDAY, MARCH 7.
7:30 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olson.
7:50 p. m.—Frank Sherrill, "Jazzed Taxes."
8 p. m.—Harold Toft Wright, tenor, accompanied by Gladys F. Olson.

WLAG—MINNEAPOLIS, MINN. (417 METERS)
SUNDAY, MARCH 2.
8 a. m. to 12 m.—Morning service, Minneapolis Presbyterian Church.
4:45 p. m.—Vesper service, House of Hope Church, St. Paul.
8:15 p. m.—Evening service, Second Church of Christ, Scientist.
10:45 p. m.—Musical program by the Minneapolis Chorus, Alaf Hallen, director; Lillian Dahl Lindstrom, soloist.
MONDAY, MARCH 3.
8:15 p. m.—Dinner concert by Minneapolis Athletic Club Orchestra.
8:35 p. m.—Lectures: "Protein and Fertility," E. H. Smith; "Advances in Insulated Houses," Howard Johnson; "Your Retail Grocer and Food Week," Carey Emerson.
TUESDAY, MARCH 4.
8:15 p. m.—Dinner hour concert by Minneapolis Athletic Club Orchestra.
8:35 p. m.—Farm lectures: "Telephone National Park," E. H. Hawley; "Medium Red Clover," C. A. Burnham; "Minnesota Canners and Canned Food Week," Carey Emerson.
WEDNESDAY, MARCH 5.
8:15 p. m.—Farm lectures: "Goats and Goatkeeping," J. W. Smith; "Bay of Fundy and Apostle Islands," E. H. Hawley; "You, Yourself, and Your Food Week," Carey Emerson.
THURSDAY, MARCH 6.
8:15 p. m.—Farm lectures: "Goats and Goatkeeping," J. W. Smith; "Bay of Fundy and Apostle Islands," E. H. Hawley; "You, Yourself, and Your Food Week," Carey Emerson.

8:35 p. m.—Musical concert, Reinmuth and Marie Jacob, soprano.
WLB—CINCINNATI, O. (309 METERS)
SUNDAY, MARCH 2.
9:30 a. m.—Sunday school conducted by the editorial staff of Sunday School Publication of the Methodist Book Concern.
11 a. m.—Services of the Church of the Covenant, Dr. Frank Stevenson, minister.
7:45 p. m.—Services of the First Presbyterian Church, Walnut Hills, Cincinnati. Rev. F. N. McMillan.
MONDAY, MARCH 3.
8 p. m.—The opera "Dreams," written and directed by Mr. Paul A. Barna, given by the Opera Group of Highlands High School.
9 p. m.—Entertainment by Woody Meyer's Cincinnati Orchestra; Ted Kennedy, violin; Ernest Meyer, drums and manager; Wm. Dinkel, piano; Earl Vetter, saxophone; Robert Seavers, tenor saxophone; Rudolph Schneider, trombone; Lester Seifert, trumpet; Wm. Rieth, banjo; Wm. Wilde, bass tuba and violin.
TUESDAY, MARCH 4.
10 p. m.—Betraat Dance Orchestra, assisted by singers. Harvey Brownfield, piano-acordion solos and duets, assisted by Charles Cole. Biddle Brothers, vocal duets; Lela La Mar, piano selections; Billy Huber, vocal selections; Marjorie Garrigus, piano solos; Edith Hunt, vocal selections; Charles Schummel, musical saw selections; Wm. E. Houchens, trick fiddler, and Prof. Haines of Dayton, O., will entertain.
WEDNESDAY, MARCH 5.
8 p. m.—Concert given by the pupils of the Notre Dame Academy of Cincinnati. Rev. J. H. Lamy offering several trombone and xylophone solos, accompanied by Mrs. Lamy. The "Delhi Male Quartet" in an interesting program embracing religious, secular and plantation songs. Members of the quartet are: Victor L. Roberson, first tenor; Homer Yeeters, second tenor;

LOCAL BROADCASTING NEXT WEEK

K S D—550 KILOCYCLES—546 METERS

MONDAY, MARCH 3, 8:30 P. M.—Music program broadcast direct from the Grand Central Theater.
TUESDAY, MARCH 4, 8:30 P. M.—Broadcasting the banquet of the American Electric Railway Association given at the Hotel Chase.
WEDNESDAY, MARCH 5, 7:30 P. M.—Program of Albergh's Concert Ensemble. Arta Arness, violinist, broadcast direct from Hotel Statler.
8:00 P. M.—Old-fashioned country dance program by Judge J. O. Sturdy, Arthur Stedward, Mr. and Mrs. Lee H. Simpson, L. Copeland, Scotch Folk Songs. Harold T. Oeland, harmonica and bones.
11:00 P. M.—Broadcasting, direct from Hotel Statler, dance music played by Rodemich's Orchestra.
THURSDAY, MARCH 6, 8:00 P. M.—Broadcasting the concert given by the St. Louis Symphony Orchestra, Rudolph Ganz, conductor; Frieda Hempel, soprano, soloist, given at the Odess.
FRIDAY, MARCH 7—Silent.
SATURDAY, MARCH 8, 3:00 P. M.—Program by group of children under 14 years old.
3:00 P. M.—Program by St. Louis University Glee Club.

W M A Y—KING'S HIGHWAY PRESBYTERIAN CHURCH—1050 KILOCYCLES—280 METERS

SUNDAY, MARCH 2, 11:00 A. M.—Regular services, Rev. H. H. Forsyth, preaching, Anthem, "Prayer for the Lord, Oh My Soul." Soprano and baritone duet, "How Excellent is Thy Name."
2:00 P. M.—Radio Bible Class. Devotional program in charge of Girls' Dept. Mrs. Jno. L. McDowell, supt. Lesson taught by Rev. Owen W. Pratt.
8:30 P. M.—Regular services, Rev. H. H. Forsyth, preaching. Tenor solo, "Come to Thee." Anthem by King's Highway Club and quartet, "Forward! Be Our Watchword."
TUESDAY, MARCH 4, 7:00 P. M.—Radio program. Address by Mr. Wilford M. Alken, director of John Burroughs School.

W C K—825 KILOCYCLES—360 METERS

Special afternoon programs, under the auspices of the League of Women Voters, at 2 p. m. during the week, except Saturday. Speakers:
MONDAY, "Citizenship, Its Privileges and Responsibilities," by Mr. D. O. Ivers.
TUESDAY, "The League's Institute of Government and Politics," by Miss D. Clark.
WEDNESDAY, "The History of Woman's Suffrage," Mrs. J. A. Rickard.
THURSDAY, "The Advantage of Political Education," Mrs. George P. H. sen.
FRIDAY, "The Ballot, Its Power and Influence," Mrs. Ida Lee Squire.
W E W—ST. LOUIS UNIVERSITY—261 METERS
SUNDAY, MARCH 2, 3:00 P. M.—Discussion, "The Catholic Church, Its Doctrines and Practices."

THURSDAY, MARCH 6.
6:15 to 7 p. m.—Minneapolis Athletic Club Orchestra.
7:30 to 8:15 p. m.—Farm lectures; special program arranged by the Capital City Sportsman's Association.
FRIDAY, MARCH 7.
7:30 to 8:15 p. m.—Farm lectures: "Farm Life Problems," D. A. Martin; "Canned Food Week Means Better Eating and Better Times," Carey Emerson.
8:15 p. m.—Business message.
9:30 to 10:45 p. m.—Musical program by St. Cloud Commercial Club.
SATURDAY, MARCH 8.
9:15 to 10:15 p. m.—Studio program by Alden Saxophone Quintet, Alden, Minn.
10:15 to 12:30 p. m.—Dance program by Minneapolis Athletic Club Orchestra.
THURSDAY, MARCH 6.
10 p. m.—Special concert by the Sigma Alpha Iota Sorority of the Conservatory of Music.
11 p. m.—Doherty's Melody Boys. Other features announced.

WMAQ—CHICAGO, ILL. (447.5 METERS)
MONDAY, MARCH 3.
4:20 p. m.—Items of interest to women.
4:30 p. m.—Pupils of Mrs. Ella Snell Gara. Monday night is silent night in Chicago.
TUESDAY, MARCH 4.
8:00 p. m.—Talk by Harry Hansen, literary editor of The News.
8:40 p. m.—La Salle Orchestra.
9:00 p. m.—American Institute of Banking banquet.
WEDNESDAY, MARCH 5.
8:00 p. m.—Keith Preston, famous columnist of The Daily News.
8:40 p. m.—La Salle Orchestra.
9:00 p. m.—Talks from the various Chicago charities.
9:15 p. m.—To be announced.
THURSDAY, MARCH 6.
7:00 p. m.—Boy Scouts' weekly talk. Financial talk by Roy Munger. Talk by Rockwell R. Stephens, auto editor of The Daily News. Sixth of a series of lessons in golf by B. A. Andrews.
8:40 p. m.—La Salle Orchestra.
9:00 p. m.—Northland trio.
FRIDAY, MARCH 7.
7:00 p. m.—Weekly "Wide-Awake Club" program by Mrs. Frances M. Ford of The Daily News.
7:30 p. m.—Music memory contest conducted by Mrs. Marx E. Oberndorfer.
8:40 p. m.—La Salle Orchestra.
9:00 p. m.—Program arranged by Cosmopolitan School of Music.
SATURDAY, MARCH 8.
8:00 p. m.—Concert by the Apollo Commandery Band.
9:00 p. m.—Balaban & Katz Chicago Theater revue.

WMC—MEMPHIS, TENN. (500 METERS.)
MONDAY, MARCH 3.
8:30 p. m.—Concert by the Gayoso Hotel Orchestra, Prof. Gaspar Poppalardo, directing.
TUESDAY, MARCH 4.
8 p. m.—The Apollo Club of Memphis will be broadcast in its second recital of the season direct from the Goodwyn Institute.
11 p. m.—Frolie by Britling Orchestra, Prof. Chin-Chin directing.
WEDNESDAY, MARCH 5.
Silent.

THURSDAY, MARCH 6.
The Chica Hotel Philharmonic Orchestra under the direction of Clara Ahern in their weekly recital.

FRIDAY, MARCH 7.
1:30 p. m.—Program arranged and sponsored by H. R. Lindsey of Memphis.
11 p. m.—Pipe organ recital from the Scottish Rite Cathedral to include the latest popular numbers. H. O. Nichols at the console.
SATURDAY, MARCH 8.
2 p. m.—Miss Ida Minerva Tarbell, publicist, historian and lecturer, of New York, will deliver a lecture at the Goodwyn Institute on "Woman's Contribution to Civilization."

WOAW—OMAHA, NEB. (526 METERS)

SUNDAY, MARCH 2.
8 a. m.—Radio chapel service directed regularly by Rev. R. E. Brown of the Omaha Gospel Tabernacle of the Christian and Missionary Alliance, 2008 Douglas street, and minister of the Sunday morning radio congregation and his associates.
9 p. m.—Bible study hour under personal direction of Mrs. Carl R. Gray.
9 p. m.—Musical chapel service presented by First Central Congregational Church, Dr. Frank G. Smith, pastor; Fred G. Ellis, choir director; Martin Bush, organist. Auspices Woodmen of the World.
MONDAY, MARCH 3.
6:30 p. m.—Dinner program presented by Randall's Royal Orchestra; transmitted from Brandeis Store Restaurants.
9 p. m.—Classic program presented by pupils of Mme. Moeller-Herms, vocal instructor in grand opera and concert art; dedicated to the Auto Electric Radio Corporation; auspices Woodmen of the World.

TUESDAY, MARCH 4.
6:30 p. m.—Dinner program presented by the Original Music Masters, Felsman and Havlicek, leaders.
9 p. m.—Program arranged by Frank Mach, prominent violinist and instructor; auspices U. S. National Bank.
THURSDAY, MARCH 6.
6 p. m.—Every Child's Story Hour, conducted by Grace Sorenson, editor and publisher of Every Child's Magazine.
6:30 p. m.—Dinner program presented by the Goldenrod Orchestra, Wallace Johnston, director.
9 p. m.—Concert program presented by the Seventeenth U. S. Infantry Band, Fort Crook, Neb. Herman Webel, bandmaster; auspices Merchants National Bank.
FRIDAY, MARCH 7.
6:30 p. m.—Dinner program presented by Ackerman's Orchestra of Empress Rustic Garden Dance Palace.
9 p. m.—Program presented by Omaha Technical High School Orchestra, Will L. Hethcote, director; auspices Stockyards National Bank.

SATURDAY, MARCH 8.
6:30 p. m.—Dinner program presented by Yost's Orchestra of De Luxe Dancing Academy.
9 p. m.—Program under auspices of Omaha Printing Co.
WOC—DAVENPORT, IA. (484 METERS.)
SUNDAY, MARCH 2.
9 a. m.—Sacred chimes concert.
1:30 p. m.—Orchestra concert (1 hour). Patriotic and sacred numbers by the FSC Orchestra.
4:45 p. m.—Musical program: Program by Calvary Baptist Church Choir, of Davenport, Ia.; Grace Ames, director.
7:30 p. m.—Sport news.
8 p. m.—Church service; Rev. John McGown Stevenson, pastor Broadway Presbyterian Church, Rock Island, Ill.; musical numbers by mixed quartet.
9:30 p. m.—Musical program (1½ hours). Erwin Swindell, musical director; FSC Orchestra, Gerald M. Barrow, director; Louis Jacob, tenor; John Gerwe, tenor.
MONDAY, MARCH 3.
8 p. m.—Musical program (Muscatine night); Grace Harper, soprano; Elsa Pack, contralto; Leonard Fleury, tenor; Chester Lutz, bass; Morell MacKenzie, accompanist.
10 p. m.—Musical program; Erwin Swindell, musical director; instrumental trio; Carl Eason, Albert Judd, Ed Gerber; Grace Miller, soprano.
TUESDAY, MARCH 4.
4:45 p. m.—Chimes concert.
5:50 p. m.—Sport news and weather forecast. No broadcasting after 6 p. m. Tuesday—Silent night for WOC.
WEDNESDAY, MARCH 5.
7:20 p. m.—Educational lecture: Subject, "Our Public School System."
8 p. m.—Musical program (1 hour); Erwin Swindell, musical director; program furnished by choir of Evangelical Church of Peace, Rock Island, Ill., assisted by Milton Bial, baritone, of Burlington, Ia. Address by Fred J. Relf, pastor.
THURSDAY, MARCH 6.
7 p. m.—Musical program (1 hour); F.

